This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

Usage guidelines

Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

+ *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.

+ *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.

+ *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.

+ *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

About Google Book Search

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at `http://books.google.com/`

127
E

CATALOGUE

OF THE

BIRDS

IN THE

BRITISH MUSEUM.

VOLUME XXIV.

LONDON:
PRINTED BY ORDER OF THE TRUSTEES.
1896.

All rights reserved.

LIBRARY OF THE
LELAND STANFORD JR. UNIVERSITY.
0.29888

CATALOGUE

OF THE

LIMICOLÆ

IN THE

COLLECTION

OF THE

BRITISH MUSEUM.

BY

R. BOWDLER SHARPE.

LONDON:

PRINTED BY ORDER OF THE TRUSTEES.

SOLD BY

LONGMANS & Co., 39 PATERNOSTER ROW;

B. QUARITCH, 15 PICCADILLY; DULAU & Co., 37 SOHO SQUARE, W.;

KEGAN PAUL & Co., PATERNOSTER HOUSE, CHARING CROSS ROAD;

AND AT THE

BRITISH MUSEUM (NATURAL HISTORY), CROMWELL ROAD, S.W.

1896.

PRINTED BY TAYLOR AND FRANCIS,
RED LION COURT, FLEET STREET.

PREFACE.

The causes of the delay in the publication of this, the twenty-fourth volume of the Catalogue of Birds, are explained in the Author's Introduction.

In such a group as the Limicolæ, which have widely extended ranges of distribution, and migrate to almost all parts of the world, the references in ornithological literature are naturally extremely numerous, and the collection is also a remarkably extensive one.

When the volume was nearly completed, the great series of Wading-Birds which formed part of the collection of the late much-lamented Mr. Henry Seebohm came to the Museum by his bequest. These had to be incorporated either into the text in the part still unfinished, or as Addenda to the earlier portions of the work.

As in the case of the former volumes, Dr. Günther has revised the proofs, the greater part of which passed through the press during his Keepership of the Zoological Department.

W. H. FLOWER,

Director.

British Museum N. H.,
July 10th 1896

INTRODUCTION.

The delay in the publication of the present volume has been caused by the fact that the labour involved in its preparation has far exceeded my expectations. The specimens arranged and catalogued in it are 13,440, exclusive of many hundreds of duplicates. The references quoted in the synonymy are 18,892. With the exception of a few books, which proved to be inaccessible, the whole of this mass of literature has been actually consulted.

The collection of specimens is a truly wonderful one. Of the 255 species recorded, the British Museum contains 250, and the types are 68 in number. It is in connection with the distribution of birds like the Limicolæ that one is able to estimate the value of those great donations which have been made to the Museum by Mr. A. O. Hume, Major Wardlaw Ramsay, and Messrs. Salvin and Godman. In many instances the entire range of a species is demonstrated by the series of skins in the collection. The Wading-birds were also special favourites with the late Mr. Henry Seebohm, whose work on the geographical distribution of the Charadriidæ is the most important treatise on the group. His untimely death last year deprived the Museum of one of its best friends; but by his generous bequest the collection of Limicolæ has been greatly enriched, as will be seen by the long list of 'Addenda,' which consist chiefly of specimens presented by Mr. Seebohm.

In the preparation of the present volume I have received help from many friends, amongst whom I must especially number the following, who have contributed to its completeness by donations

or by the loan of specimens:—Hon. Walter Rothschild, Sir H. H. Johnston, K.C.B., Colonel Irby, Surgeon-Captain R. H. Penton, Professor Robert Collett of Christiania, Dr. Bassett-Smith, Dr. H. O. Forbes, and Messrs. St. George Littledale, G. Caton Haigh, J. E. Harting, W. E. De Winton, W. T. Blanford, F. W. Styan, C. B. Rickett, and C. W. Campbell.

The same symbols are employed as have been customary in previous volumes of the 'Catalogue.' "[P.]" means "Presented by"; "[C.]" means "Collected by"; "[E.]" means "Received in exchange."

R. BOWDLER SHARPE.

British Museum (N. H.).
May 10, 1896.

SYSTEMATIC INDEX.

Order XII. LIMICOLÆ.

Fam. I. ŒDICNEMIDÆ.

Page

1. Œdicnemus, *Temm.* . . . 3
   1. œdicnemus (*L.*) 4, 721
   2. senegalensis, *Scatius.* 10, 721
   3. vermiculatus, *Cab.* 11, 721
   4. bistriatus (*Wagl.*) . . 12, 721
   5. dominicensis, *Cory* . . 14
   6. superciliaris, *Tschudi* . . 14
   7. capensis, *Licht.* . . . 15, 722
   8. affinis, *Rupp.* 17, 722
2. Burhinus, *Illig.* 18
   1. grallarius (*Lath.*) . . 18, 722
3. Esacus, *Less.* 20
   1. recurvirostris (*Cuv.*) 20, 722
4. Orthorhamphus, *Salvad.* . . 22
   1. magnirostris (*V.*) . . 22, 722

Fam. II. CURSORIIDÆ.

1. Dromas, *Payk.* 27
   1. ardeola, *Payk.* 28, 722
2. Cursorius, *V.* 30
   1. isabellinus (*V.*) 30, 722
3. Pluvianus, *V.* 32
   1. ægyptius (*L.*) 32, 723
4. Glareola, *Lath.* 34
   1. pratincola (*Gm.*) 34, 723
   2. orientalis, *Shelley* 37, 723
   3. rufa, *Gould* 38, 723
   4. coromandelica (*Gm.*) 39, 723
   5. temminckii, *Swains.* 41, 723
5. Rhinoptilus, *Strickl.* . . . 43
   1. h. capensis, *Temm.* . . 43, 724
   2. bicinctus, *Hartl* . . 45, 724
   3. hartingi, *Sharpe* . 46, 724
   4. cinctus, *Heugl.* 46, 724
   5. orientalis, *Sharpe* . . 47, 724
   6. chalcopterus, *Temm.* 48, 724
   7. albifasciatus, *Sharpe* 49, 725
   8. bitorquatus (*Blyth*) 50, 725
6. Cursitius, *Bp.* 51
   1. isabellus (*V.*) . . 51, 725

Page

7. Glareola, *Briss.* 53
   1. pratincola (*L.*) 53, 725
   2. melanoptera, *Nordm.* 57, 725
   3. orientalis, *Leach* . . 58, 726
8. Galactochrysea, *Bp.* 62
   1. ocularis (*Verr.*) 62, 726
   2. marchei (*Oust.*) 63, 726
   3. emini (*Shelley*) 64, 726
   4. nuchalis (*Gray*) 64
   5. cinerea (*Fraser*) 64, 726
   6. lactea (*Temm.*) 65, 727

Fam. III. PARRIDÆ.

1. Hydrophasis, *Sharpe* 69
   1. chirurgus (*Scop.*) . . 69, 727
2. Metopidius, *Wagl.* 72
   1. indicus (*Lath.*) 72, 727
3. Phyllopezus, *Sharpe* 76
   1. africanus (*Gm.*) 76, 727
   2. albinucha (*I. Geoff.*) 78, 727
4. Hydralector, *Wagl.* 79
   1. gallinaceus (*Temm.*) 79, 728
   2. novæ guineæ, *Rams.* . . 81
5. Jacana, *Schaeffer* 81
   1. jacana (*L.*) 82, 728
   2. melanopygia (*Sel.*) . . 84
   3. nigra (*Gm.*) 84
6. Asarcia, *Sharpe* 86
   1. variabilis (*L.*) 86, 728
7. Microparra, *Cab.* 88
   1. capensis (*Smith*) . . 88, 728

Fam. IV. CHARADRIIDÆ.

Subfam. I. ARENARIINÆ.

1. Arenaria, *Briss.* 91
   1. interpres (*L.*) 92, 728
   2. melanocephala (*Vig.*) 103, 729

Subfam. II. HÆMATOPODINÆ.

2. Hæmatopus, *L.* 105
   1. ostralegus, *L.* 107, 729
   2. osculans, *Swinh.* . . 111, 730

Page
3. longirostris, *V.* .. 112,730
4. leucopus, *Garn.*.. 113,730
5. palliatus, *Temm.* 114,730
6. galapagensis, *Ridgw.*. 116
7. frazari, *Brewst.*.. 117,730
8. durnfordi, *Sharpe* 117,731
9. unicolor, *Wagl.*.. 118,731
10. moquini, *Bp.*.... 119,731
11. niger, *Pall.*..... 120,731
12. ater (*Less.*)..... 121,731

Subfam. III. LOBIVANELLINÆ.

3. Oreophilus, *J. & S.*..... 123
1. ruficollis (*Wagl.*) 123,731
4. Erythrogonys, *Gould* 124
1. cinctus, *Gould* .. 125,731
5. Defilippia, *Salvad.* 126
1. crassirostris(*DeFil.*)126,732
2. leucoptera(*Reichen.*)127,732
6. Sarciophorus, *Gould* 128
1. tectus (*Bodd.*) .. 128, 732
2. latifrons, *Reichen.* 130
7. Lobipluvia, *Bp.* 130
1. malabarica (*Bodd.*) 131,732
8. Microsarcops, *Sharpe* 133
1. cinereus (*Blyth*)... 133,732
9. Hoploxypterus, *Bp.* 135
1. cayanus (*Lath.*) ..135,732
10. Ptiloscelis, *Bp.* 137
1. resplendens (*Tschudi*). 137, 733
11. Lobivanellus, *Strickl.*.... 138
1. lobatus (*Lath.*)... 139,733
2. miles (*Bodd.*).... 140,733
3. senegalus (*L.*).... 141,733
4. lateralis (*Smith*) 144,733

Subfam. IV. CHARADRIINÆ.

12. Xiphidiopterus, *Reichenb.*. 146
1. albiceps (*Gould*) ..147,734
2. cucullatus (*Temm.*) .. 148
13. Sarcogrammus, *Reichenb.*. 148
1. indicus (*Bodd.*) .. 149,734
2. atrinuchalis (*Jerd.*) 152,734
14. Tylibyx, *Reichenb.* 153
1. melanocephalus(*Rüpp.*)153, 734
15. Zonifer, *Sharpe* 154
1. tricolor (*V.*) 154,734
16. Anomalophrys, *Sharpe* .. 156
1. superciliosus (*Reichen.*) 156
17. Hoplopterus, *Bp.* 157
1. spinosus (*L.*) 157,734
2. ventralis (*Wagl.*) 159,734
3. speciosus (*Wagl.*) 161,735
Page
18. Belonopterus, *Reichenb.*.. 163
1. cayennensis (*Gm.*) 163,735
2. chilensis (*Mol.*) .. 165,735
19. Vanellus, *Briss.* 166
1. vanellus (*L.*) 166,735
20. Euhyas, *Sharpe* 171,736
1. leucura (*Licht.*).. 171,736
21. Chætusia, *Bp.*..... 174
1. gregaria (*Pall.*) .. 174,736
22. Stephanibyx, *Reichenb.* .. 177
1. coronatus (*Bodd.*) 178,736
2. melanopterus (*Cretzschm.*).... 180,736
3. inornatus(*Swains.*) 181,737
23. Squatarola, *Leach* 182
1. helvetica (*L.*).... 182,737
24. Charadrius, *L.*..... 191
1. pluvialis, *L.* 191,737
2. dominicus, *P. L. S. Müll.*..... 195,738
25. Aphriza, *Audub.*..... 208
1. virgata, (*Gm.*) .. 208,739
26. Ochthodromus, *Reichenb.*. 209
1. obscurus (*Gm.*)... 211,739
2. bicinctus (*J. & S.*) 212,739
3. wilsoni (*Ord*) .. 214,739
4. geoffroyi (*Wagl.*) 217,740
5. mongolus (*Pall.*) 223,740
6. pyrrhothorax (*Gould*)..... 226,740
7. asiaticus (*Pall.*) .. 230,741
8. veredus (*Gould*).. 232,741
27. Eudromias, *Brehm*..... 234
1. morinellus (*L.*) .. 234,741
28. Zonibyx, *Reichenb.*..... 238
1. modesta (*Licht.*).. 238,742
29. Podasocys, *Coues*..... 240
1. montanus (*Towns.*) 240,742
30. Oxyechus, *Reichenb.* 242
1. vociferus (*L.*).... 242,742
2. tricollaris (*V.*) .. 247,743
3. bifrontatus, *Cab.* 249,743
4. forbesi (*Shelley*).. 250,743
31. Ægialeus, *Reichenb.* 250
1. semipalmatus(*Bp.*) 250,743
32. Ægialitis, *Boie* 254
1. hiaticola (*L.*).... 256,743
2. placida (*Gray*) .. 262,744
3. dubia (*Scop.*).... 263,744
4. peroni (*Bp.*) 213,745
5. alexandrina (*L.*) 275,746
6. marginata (*V.*) .. 282,747
7. pallida (*Strickl.*) 284,747
8. venusta (*Fischer & Reichen.*) 286,747
9. ruficapilla(*Temm.*) 286,747

Page

10. collaris (*V.*) 288, 747
11. nivosa (*Cass.*).... 290, 748
12. melodа (*Ord*).... 292, 748
13. occidentalis, *Cab.* 295, 748
14. falklandica (*Lath.*) 295, 748
15. pecuaria (*Temm.*) 297, 749
15*a*. thoracica, *Richm.*.... 749
16. sanctæ helenæ, *Hartiug*) 299, 749
17. melanops (*V.*) .. 300, 749
18. cucullata (*V.*).... 302, 749
33. Pluvianellus, *Jacq. & Pucher.* 303
1. sociabilis, *Jacq. & Pucher.* 303
34. Thinornis, *Gray* 304
1. novæ zealandiæ (*Gm.*)..... 304, 750
2. rossi, *Gray* 305
35. Anarhynchus, *Quoy & Gaim.* 306
1. frontalis, *Quoy & Gaim.*..... 306, 750

Subfam. V. PELTOHYATINÆ.

36. Peltohyas, *Sharpe* 307
1 australis (*Gould*) 307, 750

Subfam. VI. HIMANTOPODINÆ.

37. Himantopus, *Briss* 309
1 himantopus (*L.*).. 310, 750
2 melanurus, *V.* .. 316, 750
3 leucocephalus, *Gould* 317, 751
a picatus, *Ellman* 319, 751
4 mexicanus (*P. L. S. Müll.*) 320, 751
5 knudseni (*Stejn.*) 323, 751
6 melas, *Hombr. & Jacq.* 323, 751
38. Cladorhynchus, *Gray*.... 324
1 pygmæus (*V.*) 324, 751
39. Recurvirostra, *L.* 326
1 avosetta, *L.*..... 326, 751
2 americana, *Gm.* .. 330, 752
3 novæ hollandiæ, *V.* 333, 752
4 andina, *Ph. & Landb.* 334, 752

Subfam VII. IBIDORHYNCHINÆ.

40. Ibidorhynchus, *Vig.* 335
1 struthersi, *Vig.* .. 335, 752

Subfam. VIII. TOTANINÆ.

41. Numenius, *Briss.* 340
1 arquatus (*L.*).... 341, 752

Page

2. tenuirostris, *V.* .. 348, 753
3. cyanopus, *V.* 350, 753
4. longirostris, *Wils.* 352, 753
5. phæopus (*L.*) 355, 753
a. variegatus (*Scop.*).. 361, 754
6. hudsonicus, *Lath.* 364, 754
7. tahitiensis (*Gm.*) 367, 754
8. borealis (*Forst.*).. 368, 755
42. Mesoscolopax, *Sharpe*.... 371
1. minutus (*Gould*) ..371, 755
43. Limosa, *Briss.*..... 372
1. lapponica (*L.*) .. 373, 755
a. novæ zealandiæ, *Gray* 377, 755
2. limosa (*L.*) 381, 756
3. hudsonica (*Lath.*) 388, 756
4. fedoa (*L.*) 391, 756
44. Macrorhamphus, *Leach* .. 393
1. griseus (*Gm.*).... 394, 757
2. taczanowskii (*Verr.*)400, 757
45. Micropalama, *Baird* 401
1. himantopus (*Bp.*) 401, 757
46. Symphemia, *Rafin* 405
1. semipalmata (*Gm.*) 405, 757
47. Totanus, *Bechst.*..... 409
1. fuscus (*L.*)..... 409, 758
2. calidris (*L.*) 414, 758
3. stagnatilis, *Bechst.* 422, 759
4. melanoleucus (*Gm.*)426, 759
5. flavipes (*Gm.*) .. 431, 759
48. Helodromas, *Kaup*..... 437
1. ochropus (*Temm.*) 437, 759
2. solitarius (*Wilson*) 444, 760
a. cinnamomeus (*Brewst.*) 760
49. Heteractitis, *Stejn.*..... 449
1. brevipes, *V.* 449, 761
2. incanus (*Gm.*) .. 453, 761
50. Tringoides, *Boie* 456
1. hypoleucus (*L.*) .. 456, 762
2. macularius (*L.*) .. 468, 762
51. Terekia, *Bp.*..... 474
1. cinerea (*Güldenst.*) 474, 763
52. Pseudoglottis, *Stejn.* 479
1. guttifer (*Nordm.*) 479, 763
53. Glottis, *Koch* 480
1. nebularius (*Gunn.*) 481, 763
54. Rhyacophilus, *Kaup* 490
1. glareola (*Gm.*) .. 491, 764
55. Pavoncella, *Leach* 499
1. pugnax (*L.*) 500, 764
56. Bartramia, *Less.*..... 509
1. longicauda (*Bechst.*)509, 765
57. Ereunetes, *Illiger*..... 514
1. pusillus (*L.*) 514, 766

Page

Subfam. IX. SCOLOPACINÆ.

58. Tringites, *Cab.* 521
1. subruficollis (*V.*) ..521, 766
59. Æchmorhynchus, *Coues*.. 524
1. cancellatus (*Gm.*) 524
60. Prosobonia, *Bp.* 525
1. leucoptera (*Gm.*) 525
61. Calidris, *Illiger* 526
1. arenaria (*L.*) 526, 766
62. Eurynorhynchus, *Nilss.*... 535
1. pygmæus (*L.*).... 535, 766
63. Limonites, *Kaup*..... 537
1. minuta (*Leisl.*) .. 538, 766
2. ruficollis (*Pall.*) .. 545, 767
3. minutilla (*V.*) .. 548, 767
4. damacensis *Horsf.* 553, 767
5. temmincki (*Leisl.*) 555, 767
64. Heteropygia, *Coues* 561
1. maculata (*V.*) .. 562, 767
2. acuminata (*Horsf.*) 560, 767
3. bairdi (*Coues*) 570, 768
4. fuscicollis (*V.*) .. 574, 768
65. Arquatella, *Baird* 578
1. maritima (*Gm.*).. 578, 768
a. couesi, *Ridgw.* 583
2. ptilocnemis (*Coues*) .. 584
66. Ancylochilus, *Kaup* 585
1. subarquatus (*Güld.*) 586, 768
67. Tringa, *L.* 593
1. canutus, *L.* 593, 768
2. crassirostris, *T.& S.* 600, 768
68. Pelidna, *Cuv.* 602
1. alpina (*L.*) 602, 768
2. americana (*Cass.*) 608, 769
69. Limicola, *Koch* 612
1. platyrhyncha (*T.*) 612, 769
70. Gallinago, *Leach*..... 616
1. stenura (*Bp.*)..... 619
2. megala, *Swinh.* .. 624, 769
3. major (*Gm.*) 626
4. nigripennis, *Bp.*..... 631
5. gallinago (*L.*)..... 633
6. delicata (*Ord*) 642
7. frenata (*Illiger*) 646
8. andina (*Tacz.*) 648
9. nobilis, *Scl.*..... 648
10. macrodactyla, *Bp.*.... 649
11. paraguayæ (*V.*)..... 650
12. australis (*Lath.*) 653
13. solitaria, *Hodgs.*..... 654
14. nemoricola, *Hodgs.* .. 657
15. gigantea (*Temm.*) 658
16. undulata (*Bodd.*) 659

Page
17. stricklandi, *Gray* 660
18. jamesoni (*Bp.*) 661
19. aucklandica, *Gray*.... 661
a. huegeli, *Tristr.* 663
β. pusilla, *Buller* 663
20. imperialis, *Scl. & Salv.* 664
71. Limnocryptes, *Kaup* 665
1. gallinula (*L.*) 665
72. Neoscolopax, *Salvad.* 670
1. rochusseni (*Schl.*) 670
73. Scolopax, *L.* 671
1. rusticula, *L.* 671
2. saturata, *Horsf.*..... 678
74. Philohela, *Gray* 679
1. minor (*Gm.*) 679
75. Phegornis, *Gray*..... 681
1. mitchelli (*Fraser*).... 682
76. Rostratula, *V.*..... 683
1. capensis (*L.*) 683
2. australis, *Gould* 690
3. semicollaris (*V.*)..... 690

Subfam. X. PHALAROPINÆ.

77. Crymophilus, *V.* 693
1. fulicarius (*L.*) 693
78. Phalaropus, *Briss.* 698
1. hyperboreus (*L.*) 698
79. Steganopus, *V.* 705
1. tricolor, *V.*..... 705

Fam. V. CHIONIDIDÆ.

1. Chionis, *Forst.* 710
1. alba (*Gm.*) 710
2. Chionarchus, *Kidder & Coues*..... 711
1. minor (*Hartl.*) 712
2. crozettensis, *Sharpe* .. 713

Fam. VI. THINOCORYTHIDÆ.

1. Attagis, *Less. & Is. Geoffr.* 714
1. gayi, *Less.* 715
2. chimborazensis, *Scl.* .. 716
3. malouinus (*Bodd.*).... 716
2. Thinocorus, *Esch.* 717
1. orbignianus, *Geoffr. & Less.*..... 718
2. rumicivorus, *Esch.*..... 719

CATALOGUE

OF

BIRDS.

Order XII. LIMICOLÆ.

Palate schizognathous.

Nostrils schizorhinal (except in the *Œdicnemidæ* and the genus *Pluvianus*).

Ball simple (except in the *Chionididæ*).

Cervical vertebræ 15 (except in the *Œdicnemidæ* and the *Parridæ*).

Coraco-humeral groove distinct.

Furcula with hypocleidium.

Primaries eleven. Fifth secondary wanting (hence the wing aquintocubital).

Oil-gland tufted.

After-shaft to the contour-feathers present. Spinal feather-tract well-defined on the neck and forked on the upper body, with lateral bare tracts.

Hallux, if present, connected with the *flexor longus hallucis*, and never with the *flexor perforans digitorum*.

Toes only partially webbed, or not webbed at all.

Young covered with close and fluffy down, and able to run shortly after being hatched.

Eggs variable in colour, generally clay-brown, mottled or spotted or scribbled all over with black, but in *Dromas* white!

(*Cf.* Gadow, P. Z. S. 1892, p. 246.)

Key to the Families.

a. Nostrils holorhinal; tarsus covered on both aspects with hexagonal scales..... **Œdicnemidæ**, p. 2.
b. Nostrils schizorhinal*.
a'. Crop not globular.
a''. Rhamphotheca simple.
a'''. Without basipterygoid processes .. **Cursoriidæ**, p. 26.
b'''. With basipterygoid processes.
*a*⁴. Lateral occipital fontanelles absent ..... **Parridæ**, p. 68.
*b*⁴. Lateral occipital fontanelles present..... **Charadriidæ**, [p. 90.
b''. Rhampotheca complex ..... **Chionididæ**, p. 710.
b'. With a globular crop..... **Thinocorythidæ**, [p. 714.

Although the above characters may be of great importance in an arrangement of these birds, they are not of much assistance in the determination of specimens. Other external characters are given below under the headings of the respective families.

Family I. ŒDICNEMIDÆ.

Palate schizognathous.
Nasals holorhinal.
Basipterygoid processes absent.
Spinal feather-tract not forked on the upper back.
Feet not webbed.
Hind toe absent; middle claw not pectinated.
Tarsus entirely reticulated, both in back and front.

Nest none.
Eggs two in number, stone-colour, with sparse black lines and markings.
Nestling covered with dense down, of a sandy colour, with two black lines down the black.

Cf. Seebohm, Classif. B. p. 37; Sharpe, Classif. B. p. 73 (1891).

The great resemblance which these birds present to the Bustards (*Otides*), and the fact that in both families the nostrils are "holorhinal," have led to their close association in many systems of classification. Among the *Limicolæ*, the *Œdicnemidæ* stand somewhat isolated, but their nearest allies are undoubtedly the Oyster-catchers, their eggs very much resembling those of the last-named birds.

---

* Except *Pluvianus*, which is referred to the *Cursoriidæ*.

Fig. 1.—Foot of *Œdicnemus œdicnemus*, to show scaling. ½ nat. size.

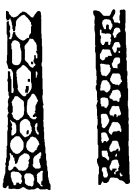


Fig. 2.—Front and hind aspect of tarsus of *Œdicnemus œdicnemus*, to show scaling.

Key to the Genera.

a. Bill shorter than the head, the apical portion swollen, forming a marked dertrum, and the apical curve of the genys ascending gently.
  a'. Tail somewhat short, only equal to the length of the head and bill ..... 1. ŒDICNEMUS, p. 3.
  b'. Tail much longer, considerably exceeding the length of the head and bill ..... 2. BURHINUS, p. 18.
b. Bill as long as or longer than the head.
  c'. Apical portion of bill slightly swollen, forming a scarcely evident dertrum; the tip of the upper mandible gently curved, and the genys abruptly ascending, the distance from the gape to the angle of the genys exceeding the distance from the latter to the tip of the lower mandible.. 3. ESACUS, p. 20.
  d'. Culmen perfectly straight; angle of genys very abrupt, its distance from the tip of lower mandible about equal to its distance from the gape ..... 4. ORTHORHAMPHUS, [p. 22.

1. ŒDICNEMUS.

Type.

Œdicnemus, *Temm. Man. d'Orn.* p. 321 (1815) .... Œ. œdicnemus.
Fedoa, *Leach*, *Syst. Cat. Mamm. & Birds Brit. Mus.* p. 28 (1816) ..... Œ. œdicnemus.

Range. Temperate portions of the Palæarctic Region, and nearly the whole of the Ethiopian, Indian, and Australian Regions. South America, from Amazonia and Peru northwards to Mexico and San Domingo.

Key to the Species.

a. Centre tail-feathers uniform or slightly vermiculated or barred, but the bars very narrow and not equal in width to the interspaces.
  a'. No black patch on the sides of the hinder crown; throat, breast, and flanks conspicuously streaked with black.
    a''. Upper surface of the body not vermiculated.
      a'''. A white band across the line of the median coverts, bordered above and below by a line of black feathers .... *œdicnemus*, p. 4.
      b'''. No white band across the median coverts, which are grey like the major-coverts, with longitudinal black centres ..... *senegalensis*, p. 10.
    b''. Upper surface of body vermiculated, a narrow line of white across the median coverts, plainly bordered above, but scarcely below, by a line of black; rest of median coverts pale ashy grey, like the greater series ..... *vermiculatus*, p. 11.
  b. A black patch on the sides of the hinder crown; throat, breast, and flanks not streaked with black.
    c''. Upper surface mottled, tawny and black.. *bistriatus*, p. 12. / *dominicensis*, p. 14.
    d''. Upper surface greyish, vermiculated with dusky and dull sandy buff ..... *superciliaris*, p. 14.
b. Centre tail-feathers broadly barred across with rufous and black; upper surface of body coarsely spotted and barred with black, but not streaked.
  c'. Larger; bands on median wing-coverts broad and coarse; tarsus 3·7..... *capensis*, p. 15.
  d'. Smaller; bands on median wing-coverts narrower; tarsus 3·2 ..... *affinis*, p. 17.

1. Œdicnemus œdicnemus.

The Stone Curlew, *Albin, Nat. Hist. B.* i. p. 66, pl. 69 (1738: Norfolk).
Le Grand Pluvier, appellé vulgairement Courly de Terre, *Briss. Orn.* v. p. 77, pl. vii. fig. 1 (1760).
Charadrius œdicnemus, *Linn. Syst. Nat.* i. p. 255 (1766); *Gm. Syst. Nat.* i. p. 689 (1788).
Charadrius scolopax, *S. G. Gmel. Reis. Russl.* iii. p. 87, pl. 16 (1774).
Le Grand Pluvier, *D'Aubenton, Pl. Enl.* ix. pl. 919 (1765–1781); *Buff. Hist. Nat. Ois.* viii. p. 105 (1781).
Charadrius illyricus, *Piller, It. Poseg. Sclav.* p. 26 (1783).
Thick-kneed Bustard, *Lath. Gen. Syn.* iii. pt. 2, p. 806 (1783).
Otis œdicnemus, *Lath. Ind. Orn.* p. 661 (1790).
Œdicnemus crepitans, *Temm. Man. d'Orn.* p. 332 (1815); *Werner, Atals, Coureurs*, pl. 6 (1827); *Ménétr. Cat. Rais. Cauc.* p. 54 (1832); *Naum. Vög. Deutschl.* vii. p. 92, pl. 172 (1834); *Gould, B. Eur.* iv. pl. 288 (1838); *Bp. Comp. List B. Eur. & N. Amer.* p. 45 (1838); *Crespon, Orn. Gard*, p. 350 (1840); *Keys. u. Blas.*

Wirb. Eur. p. lxix (1840); *Nordm. in Démid. Voy. Russ. Mérid.* iii. p. 230 (1840: Odessa, March to Oct.); *Schl. Rev. Crit.* p. lxxxi (1844); *Mühle, Beitr. Orn. Griechenl.* p. 94 (1844) *Gray, Gen. B.* iii. p. 535 (1844); *id. List Grall. Brit. Mus.* p. 59 (1844); *Hewits. Eggs Brit. B.* ii. p. 247, pl. lxvii. (1846); *Blyth, Cat. B. Mus. As. Soc.* p. 200 (1849: Calcutta); *Thomps. B. Irel.* ii. p. 82 (1850); *Macgill. Brit. B.* iv. p. 77 (1852); *Schl. Vog. Nederl.* pls. 209, 210 (1854); *Bp. C. R.* xliii. p. 416 (1856); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 441 (1859); *Tristr. Ibis*, 1859, p. 36 (S. Palestine); *E. C. Taylor, t. c.* p. 51 (Egypt); *Salvin, t. c.* p. 354 (Eastern Atlas); *Linderm. Vög. Griechenl.* p. 132 (1860); *Tristr. Ibis*, 1860, p. 76 (N. Sahara); *Powys, t. c.* p. 338 (Corfu & Epirus); *Schl. Dier. Nederl., Vog.* pl. 21. figs. 1, 1 *a* (1861); *Irby, Ibis*, 1861, p. 237 (Oudh); *Gray, List Brit. B.* p. 135 (1863); *Adams, Ibis*, 1864, p. 28 (Egypt); *Wright, t. c.* p. 141 (Malta: breeds); *Sperling, t. c.* p. 286; *Jerd. B. Ind.* iii. p. 654 (1864); *Gigl. Ibis*, 1865, p. 59 (Pisa: resident); *More, t. c.* p. 430; *Schl. Mus. Pays-Bas*, Cursores, p. 20 (1865); *Lilford, Ibis*, 1866, p. 178 (Madrid); *Chambers, Ibis*, 1867, p. 101 (Tripoli); *Blyth, t. c.* p. 166; *Drake, t. c.* p. 420 (Tangier); *Degl. et Gerbe, Orn. Eur.* ii. p. 115 (1867); *Loche, Expl. Sci. Algér., Ois.* ii. p. 258 (1867); *Tristr. Ibis*, 1868, p. 322 (Jericho: breeding); *Beavan, t. c.* p. 391 (Maunbhoom); *Smith, t. c.* p. 452 (Portugal); *Borggr. Vogelf. Norddeutschl.* p. 108 (1869); *Doderl. Avif. Sicil.* p. 173 (1869); *Gould, B. Gt. Brit.* iv. pl. 35 (1869); *Saunders, Ibis*, 1869, p. 173 (Spain); *Elwes & Buckley, Ibis*, 1870, p. 330 (Turkey); *Blanf. t. c.* p. 470 (Irawadi Valley); *Gurney, Ibis*, 1871, p. 208 (Algeria); *Saunders, t. c.* p. 386 (S. Spain); *Salvad. Faun. Ital., Ucc.* p. 119 (1871); *R. Gray, B. West Scotl.* p. 251 (1871: St. Andrew's); *Gray, Hand-l. B.* iii. p. 9, no. 9939 (1871); *Godman, Ibis*, 1872, p. 220 (Teneriffe: breeding); *Harting, Handb. Brit. B.* p. 42 (1872); *Shelley, B. Egypt*, p. 230 (1872); *Hayes Lloyd, Ibis*, 1873, p. 416 (Kathiawar); *Brooke, t. c.* p. 337 (Sardinia); *Antin. & Salvad. Viayg. Bogos*, p. 142 (1873: Asaab); *Heugl. Orn. N.O.-Afr.* ii. p. 985, pt. (1873: Egypt and Nubia); *Severtz. Turkest. Jeroln.* p. 60 (1873: breeding); *Hume, Str. F.* i. p. 232 (1873: Sindh); *Adam, t. c.* p. 395 (Sambhur); *Hume, Str. F.* iii. p. 182 (1875: Thayetmyo); *Morgan, Ibis*, 1875, p. 328 (S. India); *Danf. & Harvie-Brown, t. c.* p. 419 (Transylvania); *Irby, B. Gibr.* p. 153 (1875); *Fallon, Ois. Belg.* p. 147 (1875); *Dresser, Ibis*, 1876, p. 326; *Butler, Str. F.* iv. p. 14 (1876: Mount Aboo); *Tacz. Bull. Soc. Zool. France*, ii. p. 154 (1877: Poland); *Danford, Ibis*, 1878, p. 34 (Asia Minor); *Seebohm, Ibis*, 1882, p. 221 (Astrakhan); *id. Ibis*, 1883, p. 28 (Caucasus); *Chapman, Ibis*, 1884, p. 78 (Spain); *Seebohm, Hist. Brit. B.* ii. p. 506, pl. xxi. figs. 6, 7 (1884); *Bogd. Consp. Av. Imp. Ross.* fasc. i. p. 66 (1884); *Radde, Orn. Cauc.* pp. 43, 412 (1884: breeds up to 3000 ft.); *Koenig, J. f. O.* 1886, p. 523 (Isl. of Capri); *Seebohm, Geogr. Distr. Charadr.* p. 174 (1888); *Koenig, J. f. O.* 1888, p. 208 (Tunis); *Lilford, Ibis*, 1889, p. 338 (Cyprus); *Sharpe, Tr. Linn. Soc.* 2nd ser. *Zool.* v. pt. 3, p. 88 (1889: Gulran); *Koenig, J. f. O.* 1890, pp. 312, 451 (Madeira); *Meade-Waldo, Ibis*, 1890, pp. 430, 432 (Canary Isl.: breeding); *Frivaldszky, Av. Hung.* p. 110 (1891); *Reiser, Vogels. Landesmus. Sarajevo*, p. 105 (1891: Herzegovina, May, Oct.); *Madarász, Ausst. Ungar. Vog.* p. 101 (1891); *Seebohm, Ibis*, 1892, p. 23 (Heligoland); *Meade-Waldo, Ibis*, 1893, p. 202 (Canary Isl.: breeding).

Œdicnemus griseus, *Koch, Syst. baier. Zool.* p. 266 (1816).
Fedoa œdicnemus, *Leach, Syst. Cat. Mamm. &c. Brit. Mus.* p. 28 (1816).
Œdicnemus europæus, *Vieill. N. Dict. d'Hist. Nat.* xxiii. p. 230 (1818).
Œdicnemus belonii, *Roux, Orn. Prov.* pl. 266 (1825); *Flem. Brit. Animals*, p. 114 (1828).
Œdicnemus desertorum, *Brehm, Vög. Deutschl.* p. 539 (1831).
Œdicnemus arenarius, *Brehm, Vög. Deutschl.* p. 539 (1831).
Ædicnemus crepitans, *Selys-Longch. Faun. Belg.* p. 120 (1842); *Fritsch, Vög. Eur.* Taf. 39. fig. 8 (1870).
The Great Plover, *Yarr. Brit. B.* ii. p. 380 (1843).
Œdicnemus indicus, *Salvad. Atti Soc. Ital. Sc. Nat.* viii. p. 381 (1866); *Hume, Nests & Eggs Ind. B.* p. 581 (1873); *id. Str. F.* i. p. 96 (1873: Sindh); *Ball, Str. F.* ii. p. 430 (1874: Chota Nagpur); *Fairb. Str. F.* iv. p. 263 (1876: Khandala); *Armstrong, t. c.* p. 340 (China Ba-keer).
Œdicnemus crepitans β. senegalensis, *Severtz. Turkest. Jevotn.* p. 59 (1873); *Dresser, Ibis*, 1876, p. 327.
Œdicnemus scolopax, *Dresser, B. Eur.* vii. p. 401, pl. 512 (1876); *Hume & Davison, Str. F.* vi. p. 458 (1878: Tenasserim); *Davids. & Wenden, Str. F.* vii. p. 88 (1878: Deccan); *Ball, t. c.* p. 227 (Ganges to Godavery); *Hume, t. c.* p. 483 (Calcutta); *id. Str. F.* viii. p. 112 (1879); *Finsch, Verhandl. z.-b. Ges. Wien*, xxix. p. 242 (1879: N. Saissan); *Butler, Cat. B. Sind etc.* p. 59 (1879); *id. Cat. B. S. Bomb. Pres.* p. 74 (1880); *Legge, B. Ceylon*, p. 969 (1880); *Vidal, Str. F.* ix. p. 82 (1880: S. Konkan); *Butler, Str. F.* ix. p. 427 (S. Mahratta Country); *Reid, Str. F.* x. p. 67 (1881: Lucknow); *Davidson, t. c.* p. 319 (1882: W. Khandeish); *Parker, t. c.* p. 482 (Ceylon: breeding); *Salv. Cat. Strickl. Coll.* p. 591 (1882, pt.); *B. O. U. List Brit. B.* p. 155 (1883); *Saunders, ed. Yarr. Brit. B.* iii. p. 225 (1883); *id. Ibis*, 1884, p. 388 (Pyrenees); *Oates, B. Brit. Burm.* ii. p. 356 (1883); *Tristr. Faun. & Flor. Palest.* p. 128 (1884); *Whitehead, Ibis*, 1885, p. 41 (Corsica); *Swinhoe & Barnes, t. c.* p. 133 (Mhow Distr.); *Reid, t. c.* p. 252 (Morocco); *Yerbury, Ibis*, 1886, p. 20 (Aden); *Sharpe, t. c.* p. 167 (Muscat); *Gigl. Avif. Ital.* p. 366 (1886); *Salvad. Elenco Ucc. Ital.* p. 206 (1886); *Backhouse, Ibis*, 1887, p. 74 (E. Pyrenees); *Tait, t. c.* p. 384 (Portugal: breeding); *Reid, Ibis*, 1888, p. 77 (Teneriffe: breeding); *Reichen. Syst. Verz. Vög. Deutschl.* p. 51 (1889); *Saunders, Man. Brit. B.* p. 515 (1889); *Eagle Clarke, Ibis*, 1889, p. 551 (Mediterranean); *Seebohm, Ibis*, 1890, p. 403 (Ireland); *Gigl. 1st Resoc. Avif. Ital.* p. 562 (1889); *id. 2nd Resoc.* p. 656 (1890); *id. 3rd Resoc.* p. 514 (1891); *Heine & Reichen. Nomencl. Mus. Hein., Orn.* p. 333 (1890); *Evans, Ibis*, 1891, p. 79; *Barnes, Ibis*, 1893, p. 169 (Aden: cold season).
Œdicnemus crepitans indicus, *Seebohm, Geogr. Distr. Charadr.* p. 77 (1880).
Œdicnemus œdicnemus, *Brusina, Motr., etc. (Orn. Croatia)*, p. 86 (1890); *Sharpe, Ibis*, 1891, p. 113 (Fao); *Hartert, Ibis*, 1892, p. 516 (E. Prussia).
Œdicnemus œdicnemus saharæ, *Reichen. J. f. O.* 1894, p. 102.

Adult male. General colour above sandy buff, streaked with blackish centres to the feathers; lesser wing-coverts a little more tawny than the back, with broad black streaks; median coverts greyish, with brown bases and mesially streaked with black, with a

broad white band along the upper row, the feathers having blackish tips with a broad subterminal bar of white; greater coverts for the most part white, with ashy bases and a broad subterminal band of black; bastard-wing blackish, with a narrow white fringe; primary-coverts and quills blackish, the outer primary white along the middle of the outer web and across the inner web, the second primary with a white spot on the outer web and a certain amount of white on the inner web, which becomes less on the inner primaries, the latter tipped with white and with a white bar across the base of the feathers, the inner secondaries elongated and tinged with tawny; central tail-feathers ashy brown, barred with black at the end and across the feather before the white subterminal bar, the outer feathers more broadly barred with black and white, the two terminal bars becoming gradually broader towards the outermost feather, which is almost entirely white with a black tip; crown of head like the back, but with narrower stripes; lores, eyebrow, and a band below the eye white, extending across the ear-coverts, the upper margin of which is blackish brown continued into a black line underneath the eye and ending in front of the latter; cheeks and throat white, with some black-streaked feathers along the upper margin of the former; lower throat and fore neck tawny buff streaked with black, these streaks becoming narrower on the breast and sides of body, which are paler tawny buff; breast, abdomen, and thighs white; under tail-coverts tawny; under wing-coverts and axillaries white, with the small coverts round the edge of the wing ashy brown, tinged with tawny; primary-coverts blackish, with white bases forming a speculum; quill-lining for the most part black, with the white markings like those of the upper surface of the wing: "bill black at the point, greenish yellow at the base; feet yellow; iris very large and golden yellow" (*H. Saunders*). Total length 16 inches, culmen 1·6, wing 9·35, tail 4·7, tarsus 3·1.

Adult female. Does not differ from the male in colour or markings. Total length 16 inches, culmen 1·65, wing 9·5, tail 4·9, tarsus 2·75.

Nestling. Clothed with sandy-coloured down, paler on the throat and abdomen, and streaked with the following bands and lines of black:—a narrow line from eye to eye across the forehead; over the eye a small line, and another in the middle of the crown, these markings being indistinct; another small spot on the lores, and a distinct line along the upper margin of the cheeks; from behind the eye a narrow line of black, continued down the side of the hind neck, and extending in a broader line down each side of the spine; another broad band of black extending from the middle of the flanks and uniting at the base of the tail; on the carpal bend of the wing a faintly indicated line of black.

The characters of the Indian bird, which Mr. Seebohm has kept distinct under the name of *Œdicnemus crepitans indicus*, are supposed to consist of the shorter wing, and the continuance of the white patch on to the third quill. In European specimens of *Œdicnemus œdicnemus* the length of wing ranges from 9 to 10 inches, while in the Indian specimens it varies from 8 to 9 inches,

and in the latter bird the third primary is marked with white like the first and second; whereas in *Œ. œdicnemus* only the first and second primaries show any white (*cf.* Seebohm, Geogr. Distr. Charadr. p. 77). Even these small distinctions, however, cannot be maintained, for in the series in the British Museum there is a specimen from Italy and another from Sussex which have a white mark on the third primary; while, on the other hand, there are several specimens in the Hume Collection which show the white marks on the first and second primaries only. Young birds appear to be invariably of a lighter rufous and more tawny colour than the adults, which are decidedly greyer.

The race which Dr. Reichenow has described as *Œdicnemus œdicnemus saharæ* is founded on an adult bird, and has apparently been compared only with young birds. The principal difference between young and old individuals lies in the colour of the greater wing-coverts, which in young birds are dusky blackish or greyish at the base, and have broad white ends; whereas in the old birds the bases are white, and the tips are also white with a very broad subterminal bar of black.

Hab. Central and Southern Europe, as far east as Central Asia. The countries bordering the Mediterranean to N.E. Africa, as far south as Aden. Indian Peninsula and Burmese countries, in suitable localities.

a. ♂ ad. st.	Cambridgeshire, May.	Harting Coll.
b. Imm.; *c*, *d*. Pull. st.	Cambridgeshire, May.	Purchased.
e. Juv. sk.	Norfolk.	J. Scales, Esq. [P.].
f, *g*. Ad.; *h*, *i*. Pull. st.	Merton, Norfolk.	Lord Walsingham [P.].
k–*n*. Pull. sk.	Norfolk.	Gould Coll.
o. Pull. sk.	Scotts Hall, Suffolk.	Shelley Coll.
p. ♂ ad. sk.	Brandon, Suffolk, July (*J. E. Harting*).	Seebohm Coll.
q. ♀ ad. sk.	Warwickshire (*J. E. H.*).	Seebohm Coll.
r. Ad. sk.	Sussex.	Hume Coll.
s. ♂ juv. sk.	Near Chichester, Sussex, Nov. 6 (*J. E. H.*).	Hume Coll.
t. Ad. sk.	Wiltshire.	Montagu Coll.
u, *v*, *w*. Ad. et imm. sk.	Hungary, Sept., Oct.	Hungarian National Museum [P.].
x. ♀ ad. sk.	Tuscany, Sept. 3.	Seebohm Coll.
y. Ad. sk.	Italy.	Gould Coll.
z. ♂ ad. sk.	Malta, Feb. 1854.	Gould Coll.
a'. Juv. sk.	Tunis.	Fraser Coll.
b'. Ad. sk.	Ghuelma, Algeria.	Purchased.
c'. Ad. st.	Ghuelma.	Purchased.
d', *e'*. Ad. et juv. sk.	Tangiers, June (*A. von Hügel*).	Seebohm Coll.
f'. ♂ ad. sk.	Andalucia, Spain, Jan.	Colonel Irby [P.].
g'. ♂ ad. sk.	Orotava, Teneriffe, April 29 (*F. D. G.*).	Salvin-Godman Coll.
h', *i'*. Ad. sk.	Egypt, March (*G. E. Shelley*).	Seebohm Coll.
k'. ♀ ad. sk.	Egypt, March (*G. E. Shelley*).	Tweeddale Coll.
l'. ♀ ad. sk.	Shoobra near Cairo.	Seebohm Coll.

m'. Ad. sk.	Suakin.	Surgeon-Capt. R. H Penton [P.].
n'. Ad. sk.	Beersheba, Palestine.	Canon Tristram [C.].
o. ♀ ad. sk.	Wilderness of Judea.	Canon Tristram [C.].
p'. Juv. sk.	Erzeroum (*Pavillon*).	Seebohm Coll.
q. Ad. sk.	Bagdad, Persia.	Kenneth Loftus, Esq. [P.].
r, *s*'. ♂ ad.; *t*'. ♀ ad. sk.	Mesopotamia (*Commander Jones*).	India Museum.
u'. ♂ ad. sk.	Fao, Persian Gulf, Sept. 27.	W. D. Cumming, Esq. [P.].
v'. Ad. sk.	Muscat.	Colonel Mills [P.].
w'. Ad. sk.	Gulran, Northern Afghanistan, March 11.	Dr. Aitchison [C.].
x'. Ad. sk.	Baluchistan (*Griffith*).	India Museum.
y. ♂ ad. sk.	Sharpur, Sindh, Nov. 25 (*A. O. H.*).	Hume Coll.
z. ♀ ad. sk.	Larkhana, Jan. 7 (*A. O. H.*).	Hume Coll.
a'. Ad. sk.	Kutch, Jan. (*F. Stoliczka*).	Hume Coll.
b. Ad. sk.	Rajkote, Kathiawar, June 13.	Colonel Hayes Lloyd [P.].
c. ♀ ad. sk.	Deesa, March 30 (*E. A. Butler*).	Hume Coll.
d'. ♀ ad. sk.	Sambhur, May (*R. M. Adam*).	Hume Coll.
e'. ♂ ad. sk.	Delhi, May 21 (*C. T. Bingham*).	Hume Coll.
f–*i*'. Ad. et imm. sk.	Sirsa, Punjab, Dec. to Feb.	Hume Coll.
k. Ad. sk.	Murdan, Dec.	Hume Coll.
l'. Ad. sk.	Lahore.	Hume Coll.
m'. ♂ juv. sk.	Peshawur.	Seebohm Coll.
n', *o*'. ♀ ad. et juv. sk.	Umbala, Sept., Feb. (*R. C. Beavan*).	Tweeddale Coll.
p'. ♂ ad. sk.	Kumaon Bhabur, March 22 (*G. King*).	Hume Coll.
q. ♀ ad. sk.	Etawah, April 1.	Hume Coll.
r, *s*, *t*'. Ad. et imm. sk.	Oudh, Dec., Jan.	Hume Coll.
u. Ad. sk.	Gondah, Oudh (*S. Pinwill*).	Tweeddale Coll.
v, *w*', *x*'. Ad. sk.	Nepal.	Hodgson Coll.
y, *z*. Ad. sk.	Nepal (*B. H. Hodgson*).	India Museum.
a'. Juv. sk.	Maunbhoom, March (*R. C. Beavan*).	Tweeddale Coll.
b'. Ad. sk.	Raipur, January.	Hume Coll.
c'. Juv. sk.	Dhulia, Khandeish, Oct. 4 (*J. Davidson*).	Hume Coll.
d'. Ad. sk.	Deccan (*Capt. Burgess*).	Gould Coll.
e', *f*', *g*'. ♀ ad. et juv. sk.	Seegore, Mysore, Dec., Feb., May (*W. Davison*).	Hume Coll.
h'. ♂ ad. sk.	China Ba-keer, Rangoon, Dec. 20 (*J. Armstrong*).	Hume Coll.
i'. ♀ ad. sk.	Pegu, Jan. 9 (*E. W. O.*).	Oates Coll.
k'. Ad. sk.	Ava, British Burma.	W. T. Blanford, Esq. [P.].
l'. ♀ ad. sk.	Theinzeik, Thatone, Tenasserim, Dec. 13 (*W. Davison*).	Hume Coll.
m'. Sternum.	England.	John Ray, Esq. [P.].
n'. Skull.	England.	John Ray, Esq. [P.].

2. Œdicnemus senegalensis.

Œdicnème du Sénégal, *Temm. Man.* ii. p. 520 (1820).

Œdicnemus senegalensis, *Swains. B. W. Afr.* ii. p. 228 (1837: Senegambia); *Gray, List Gralla Brit. Mus.* p. 59 (1844: Gambia, R. Quorra); *id. Gen. B.* iii. p. 535 (1844); *Hartl. Orn. W.-Afr.* p. 208 (1857: Casamance; Gaboon); *Brehm, J. f. O.* 1857, p. 383; *Cassin, Proc. Philad. Acad.* 1859, p. 172 (Ogowé River; Camma River); *Hartl. J. f. O.* 1861, p. 268 (Bissao; Galam); *Hartm. J. f. O.* 1864, p. 227; *Gurney, Ibis*, 1868, p. 254 (critical remarks); *Gray, Hand-l. B.* iii. p. 9, no. 9940 (1871); *Shelley, Ibis*, 1871, p. 145; *id. & Buckley, Ibis*, 1872, p. 292 (Gold Coast); *Pelz. Verhandl. z.-b. Ges. Wien*, xxxi. p. 616 (1881: Lado); *Salvad. Ann. Mus. Genov.* (2) i. pp. 216, 274 (1884: Shoa); *Hartert, J. f. O.* 1886, p. 609 (Loko); *Gigl. Avif. Ital.* p. 367 (1886: Tuscany); *Salvad. Elench. Ucc. Ital.* p. 206 (1886); *Seeb. Geogr. Distr. Charadr.* p. 78 (1888); *Shelley, P. Z. S.* 1888, p. 48 (Lado); *Gigl. Avif. Ital.* i. *Resoc.* p. 564 (1889), ii. p. 656 (1890); *Heine & Reichen. Nomencl. Mus. Hein., Orn.* p. 333 (1890: Abyssinia).

Œdicnemus crepitans (*nec T.*), *Strickl. P. Z. S.* 1850, p. 220 (Kordofan).

Œdicnemus assimilis, *Bädeker, J. f. O.* 1853, *Suppl.* p. 117 (*ex Brehm, MSS.*), pl. v. fig. 3 (egg).

Œdicnemus crepitans, pt., *Schl. Mus. Pays-Bas*, Cursores, p. 20 (1865: Abyssinia; Senegambia); *Blanf. Geol. & Zool. Abyss.* p. 428 (1870: Massowa); *Finsch, Tr. Z. S.* vii. p. 294 (1870: Amba; Zoulla); *id. & Hartl. Vög. Ostafr.* p. 619 (1870).

Œdicnemus inornatus, *Salvad. Atti Soc. Ital. Sci. Nat.* viii. p. 381 (1866); *Finsch & Hartl. Vög. Ostafr.* pp. 621, 872 (1870); *Gray, Hand-l. B.* iii. p. 10, no. 9944 (1871); *Heugl. Orn. N.O.-Afr.* ii. Abth. i. p. 989, App. p. clxxix (1873); *Hartl. Abhandh. nat. Ver. Bremen*, vii. p. 120 (1881: Lado).

Œdicnemus crepitans senegalensis, *Heugl. in Peterm. Mitth.* 1869, p. 415.

Œdicnemus scolopax, pt., *Salvin, Cat. Strickl. Coll.* p. 390 (1882: Khartoum).

Œdicnemus vermiculatus (*nec Cab.*), *Büttik. Notes Leyden Mus.* vii. p. 232 (1885: W. Liberia).

Adult. Similar to *Œ. œdicnemus*, but distinguished by the absence of the white band across the line of the median wing-coverts, the latter being grey like the greater coverts with distinct black shaft-lines; the greater coverts with a black subterminal bar, a white ending being occasionally present: "bill black, the base, eyebrows, and feet pale yellowish green; iris yellow" (*J. Büttikofer*). Total length 14 inches, culmen 1·65, wing 8·5, tail 3·9, tarsus 2·95.

The connection between *Œ. senegalensis* and *Œ. vermiculatus* is much closer than I supposed, for on more than one specimen of *Œ. senegalensis* traces of vermiculations are apparent, and even in two specimens there is a faint indication of a white wing-bar. One of these slightly vermiculated birds is from the Quorra River, and the others are from Accra. Of course these slight vermiculations, and even the white on the wing-bar, might be caused by the abrasion and bleaching of the feathers.

Hab. West Africa from Senegambia to Gaboon. North-eastern Africa from the neighbourhood of Lado to Shoa, and north to Kordofan, Senaar, and Egypt.

a. Ad. ak.	Egypt.	G. Turnbull, Esq. [P.].
b. Ad. ak.	Abyssinia.	Tweeddale Coll.
c. Ad. ak.	Near Massowa.	W. T. Blanford, Esq. [C.].
d. ♂ ad. ak.	Amba, Abyssinia, Aug. 21 (*W. Jesse*).	Tweeddale Coll.
e. ♀ ad. ak.	Lado, Equatorial Africa, March 15.	Emin Pasha [P.].
f. Ad. ak.	River Quorra.	Capt. Allen [P.].
g. Ad. ak.	Accra (*T. E. Buckley*).	Shelley Coll.
h. Ad. ak.	Accra (*J. Smith*).	Seebohm Coll.
i. Ad. st.	Gambia.	Seebohm Coll.
k. Ad. ak.	Gambia (*Sir A. Moloney*).	Shelley Coll.

3. Œdicnemus vermiculatus.

Œdicnemus natalensis, *Gray, List Gralla Brit. Mus.* p. 59 (1844: nom. nudum).

Œdicnemus senegalensis (*nec Sw.*), *Kirk, Ibis*, 1864, p. 331 (Zambesi); *Gurney, Ibis*, 1865, p. 270 (Natal); *Bocage, Jorn. Lisb.* 1867, p. 228, 1870, p. 350; *Sharpe & Bouvier, Bull. Soc. Zool. France*, i. p. 52 (1876: Landana); *Sharpe, ed. Layard's B. S. Afr.* p. 646 (1884).

Œdicnemus vermiculatus, *Cab. J. f. O.* 1868, p. 413; *id. in Von der Decken's Reis.* iii. p. 46, pl. 16 (1870); *Finsch & Hartl. Vög. Ostafr.* p. 622 (1870); *Gray, Hand-l. B.* iii. p. 9, no. 9942 (1871); *Gurney in Anders. B. Dam.-Ld.* p. 206 (1872: Orange River; Namaqualand); *Reichen. J. f. O.* 1877, p. 11 (Loango Coast); *Cab. J. f. O.* 1878, p. 245 (Mombasa; Zanzibar); *Fischer, J. f. O.* 1879, pp. 290, 303; *id. & Reichen. t. c.* p. 338; *Bocage, Orn. Angola*, p. 423 (1881: S. Angola; Quillengues; Humbe); *Shelley, P. Z. S.* 1881, p. 598 (Usambara Hills); *Böhm, J. f. O.* 1882, p. 185; *Shelley, Ibis*, 1882, p. 362 (Quae Quae River); *Schalow, J. f. O.* 1883, p. 339 (French Is.); *Fischer, Zeitschr. ges. Orn.* i. p. 389 (1884: Pangani); *Sharpe, ed. Layard's B. S. Afr.* p. 647 (1884); *Fischer, J. f. O.* 1885, p. 116 (Wapokomoland; Bagamoyo; Zanzibar); *Reichen. J. f. O.* 1887, p. 47 (Kagehi); *Matschie, t. c.* p. 138 (Tanganyika); *Seebohm, Ibis*, 1887, p. 338 (Umgeni River; Natal); *id. Geogr. Distrib. Charadr.* p. 80 (1888); *Reichen. J. f. O.* 1889, p. 266 (Quaqua River); *Emin, J. f. O.* 1891, p. 339 (Victoria Nyanza); *Reichen. J. f. O.* 1892, p. 8 (Bukoba); *id. JH. Hamburg. wiss. Anst.* x. p. 6 (1893: Quaqua River).

Adult General colour above distinctly vermiculated with dusky cross bars, not only on the back, but also on the wings and tail, the dorsal black centres to the dorsal feathers being present; lesser wing-coverts brown, followed by a black band, which is again succeeded by a white band across the upper line of the median coverts, the rest of the median and greater coverts ashy grey, with a black band on the latter and well-marked black shaft-streaks on the

former; quills black, the first three, and sometimes the fourth primary, having white marks on both webs; inner primaries with white bases, forming a speculum; centre tail-feathers like the back, similarly mottled and vermiculated, the rest of the feathers barred with black and white near the ends, the terminal bars being very broad; head like the back; lores, eyebrow, and a band below the eye white; hinder ear-coverts and cheeks brown, streaked with black; throat and underparts white, washed with tawny buff on the lower throat and breast, which are also streaked with brown; the sides of the body with narrow shaft-stripes of the same colour; under tail-coverts light cinnamon; under wing-coverts and axillaries white, the small coverts round the bend of the wing brown like the upper surface: "bill black, with a patch round the nostrils and the base of the lower mandible yellow; tarsi and feet very pale ashy green; iris tawny yellow" (*T. Ayres*). Total length 14 inches, culmen 1·5, wing 7·9, tail 4, tarsus 2·75.

Hab. Southern Africa from the eastern districts of the Cape Colony north to Loango on the west, and on the east extending as far as the Victoria Nyanza.

a. Ad. sk.	Kingwilliamstown.	Major Trevelyan [P.].
b, c. Ad. sk.	Natal.	Dr. Krauss [C.]. (Types of *Œ. natalensis.*)
d, e. Ad. sk.	Natal (*Gordge*).	Tweeddale & Seebohm Colls.
f. Ad. sk.	Zambesi (*Dr. Mellar*).	Tweeddale Coll.
g. Ad. sk.	Tette, Zambesi (*Sir J. Kirk*).	Livingstone Expedition.
h. Ad. sk.	Tshiromo, Nyasaland.	H. H. Johnston, Esq., C.B. [P.].
i. Ad. sk.	Usambara Hills (*Sir J. Kirk*).	Shelley Coll.
k. Ad. sk.	Caconda, Benguela (*Anchieta*).	Lisbon Museum [P.].

4. Œdicnemus bistriatus.

Charadrius bistriatus, *Wagl. Isis*, 1829, p. 648 (Mexico).

Œdicnemus vocifer, *L'Herminier, Mag. de Zool.* 1837, pl. 84 (U.S. Colombia); *Licht. Nomencl. Av. Mus. Berol.* p. 93 (1854).

Œdicnemus americanus, *Swains. An. in Menag.* p. 349 (1837; interior of Guiana).

Œdicnemus bistriatus, *Gray, List Grallæ in Brit. Mus.* p. 59 (1844: British Guiana); *id. Gen. B.* iii. p. 535 (1844); *Cab. in Schomb. Reis. Guian.* iii. p. 749 (1848); *Bp. C. R.* xliii. p. 416 (1856); *Owen, Ibis*, 1861, p. 68 (Guatemala); *Salvin, t. c.* p. 356; *id. Ibis*, 1865, p. 198 (Pacific coast of Guatemala); *Scl. P. Z. S.* 1865, p. 397 (Vera Cruz, Mexico); *Schl. Mus. Pays-Bas*, Cursores, p. 19 (1865: Guadeloupe, Brazil); *Scl. & Salv. Ex. Orn.* p. 60 (1867); *Franz. J. f. O.* 1869, p. 378 (Nicaragua, Costa Rica); *Pelz. Orn. Bras.* p. 296 (1871: Forte de Rio Branco); *Gray, Hand-l. B.* iii. p. 10, no. 9945 (1871); *Scl. & Salv. Nomencl. Av. Neotr.* p. 142 (1873); *Nutting, Proc. U.S. Nat. Mus.* vi. p. 389 (1883: Nicaragua); *Berlepsch, Ibis*, 1884, p. 440 (Venezuela); *Salvin, Ibis*, 1886, p. 177 (British Guiana); *Seebohm, Geogr. Distr. Charadr.* p. 85 (1888).

Œdicnemus mexicanus, *teste Schl. Mus. Pays-Bas*, Cursores, p. 19 (1865).
Œdicnemus —— ?, *G. C. Taylor, Ibis*, 1860, p. 314 (Honduras).

Adult female. General colour above tawny rufous, mottled with black centres to the feathers, narrower and more longitudinal on the head and neck; upper tail-coverts washed with grey and centred and barred with dusky; wing-coverts like the back, with conspicuous blackish shaft-stripes, the greater series ashy brown edged with tawny buff and having a sub-terminal line of dusky, following the outline of the feather; bastard-wing, primary-coverts, and quills dark brown, with a great deal of white on the inner web, extending over the outer web of the first primary; the inner webs conspicuously white at the base, forming a large speculum, the innermost secondaries like the back; centre tail-feathers brown, edged with tawny and vermiculated with dusky, the remainder white, barred across with dusky brown and tipped with a broad bar of black, wider on the outer feather, which has a broad subterminal white band; lores and a broad eyebrow dull white, above which is a broad black patch on the sides of the crown; sides of face, cheeks, and ear-coverts light tawny buff with narrow blackish shaft-lines; throat, breast, and abdomen pure white, the lower throat and upper breast ashy brown tinged with tawny, with narrow blackish shaft-lines; sides of lower back tawny rufous with blackish centres; under tail-coverts pale cinnamon; under wing-coverts and axillaries pure white, the lesser coverts tawny rufous like the upper series; the lower primary-coverts ashy: "feet greenish yellow: iris yellow" (*T. C. Nutting*). Total length 15·5 inches, culmen 1·7, wing 9·6, tail 4·7, tarsus 3·8.

The Mexican specimens appear to be rather larger than those from more southern localities, and have a tarsus measuring 4·7 inches. Some birds are much more rufous than others, and these are apparently younger birds. An immature bird collected by Mr. Salvin at San Gerónimo is much more mottled than the adults, all the feathers having sandy-coloured edges. The grey shade which is apparent in most individuals of this species is also present in the young bird.

Hab. From Mexico through Central America, in suitable localities, as far south as Venezuela, Colombia, Guiana, and the Rio Branco.

a. ♂ ad. ak.	Mizantla, Vera Cruz, Nov. 20 (*Ferrari-Perez*).	Salvin-Godman Coll.
b ♀ ad. ak.	Torula, Chiapas, June 20 (*W. B. Richardson*).	Salvin-Godman Coll.
c, d ♂ ♀ ad. ak.	Huamuchal, Guatemala, Feb. (*O. S.*).	Salvin-Godman Coll.
e. Juv. ak.	San Gerónimo, Guatemala, July (*O. S.*).	Salvin-Godman Coll.
f. Ad ak.	Bogota.	Purchased.
g. Juv. ak.	Bogota.	Salvin-Godman Coll.
h. Ad. ak.	Merida, Venezuela.	Old Coll.

i, k. ♂ ♀ ad. sk.	Aunai, British Guiana, March, May (*H. Whitely*).	Salvin-Godman Coll.
l. Ad. sk.	British Guiana.	Old Coll.
m. Ad. sk.	Forte de Rio Branco, Brazil (*J. Natterer*).	Salvin-Godman Coll.
n. Ad. sk.	[South America.]	Salvin-Godman Coll.

5. Œdicnemus dominicensis.

Œdicnemus dominicensis, *Cory, Journ. Bost. Zool. Soc.* ii. p. 46 (1883: San Domingo); *id. Auk*, i. p. 4 (1884); *id. B. S. Domingo*, p. 140, pl. 19 (1884); *F. J. Thompson, Auk*, ii. p. 110 (1885); *Cory, List B. W. Ind.* p. 25 (1886: S. Domingo); *id. B. West Ind.* p. 225 (1889); *id. Cat. B. West Ind.* p. 95 (1892).

"*Male.* Top of the head, back, wing-coverts, and tail brown; feathers with very pale edgings, giving a mottled appearance to the back, the tail-feathers showing a band of dull white, succeeded by a broad black tip; breast slaty, becoming dull white on the throat; abdomen white tinged with very pale rufous; a line of black passing from the top of the eye, along the sides of the head, to the neck; under surface of wings white, becoming dark brown at the tips; the shafts of the feathers on the breast and throat dark brown, forming numerous hair-like lines on the surface of the plumage: "legs and feet greenish yellow; upper mandible black, under mandible green at the base, shading into black at the tip" (*Cory*). Total length 14·50 inches, wing 8·50, tail 3·75, tarsus 3·75, bill 1·50.

The sexes appear to be similar.

The single specimen in the British Museum was obtained by Sallé in San Domingo forty years ago, and is moulting, so that it is not in good plumage for comparison. The only distinction that I can see is the smaller bill and the somewhat stronger shaft-lines on the chest-feathers. In both these characters it is approached by a specimen from British Guiana, and I strongly doubt the distinctness of the San Domingo bird.

Hab. San Domingo.

a. Ad. sk.	San Domingo.	A. Sallé [C.].

6. Œdicnemus superciliaris.

Œdicnemus superciliaris, *Tschudi, Arch. f. Nat.* 1843, pt. i. p. 387 (coast of Peru); *id. & Cab. Faun. Peruan., Aves*, pp. 49, 293 (1845–46); *Scl. & Salv. Ex. Orn.* p. 59, pl. 30 (1867); *id. P. Z. S.* 1868, pp. 176, 570 (W. Peru); *Gray, Hand-l. B.* iii. p. 10, no. 9946 (1871); *Scl. & Salv. Nomencl. Av. Neotr.* p. 142 (1873); *Taczan. Orn. Pérou*, iii. p. 333 (1886: coast of Peru from Lima to Tumbez).

Adult male. Similar to *Œ. bistriatus*, and having a broad black patch on the sides of the hinder crown, but distinguished from that species by being ashy grey above, vermiculated with dusky cross

bars and subterminal lines of dusky blackish, following the margins of the feathers, which are sandy buff, there are also bars of a sandy buff on the feathers of the upper surface; the throat, lower breast, and abdomen pure white; under tail-coverts very pale cinnamon; the fore neck and breast pale ashy grey, the former with dusky shaft-lines, the sides of the neck browner: "bill blackish, with the basal half of the upper mandible green; feet green; iris white" (*Stolzmann*). Total length 15 inches, culmen 1·6, wing 8·5, tail 4·3, tarsus 3·7.

Young. More thickly mottled with sandy-buff margins to the feathers, especially the dark lesser wing-coverts; the white eyebrow continued in a ring round the nape; the dark band on the hinder side of the crown not so broad as in the adults; a second band of black behind the ear-coverts: "bill black, the base of the lower mandible grey; feet olive; iris beautiful yellow" (*Stolzmann*).

Hab. Western Peru, from Lima to Tumbez.

a.	Juv. ak.	Lima, Peru.	Salvin-Godman Coll.
b.	♂ ad. ak.	Northern Peru, Dec. 18 (*J. Kalinowski*).	Count Branicki [P.].
c.	Ad. ak.	Western Peru.	Zool. Society.

7. Œdicnemus capensis.

Œdicnemus capensis, *Licht. Verz. Doubl.* p. 69 (1823: Cape); *Finsch & Hartl. Vög. Ostafr.* p. 624 (1870); *Gray, Hand-l. B.* iii. p. 9, no. 9941 (1871); *Gurney in Anderss. B. Dam. Ld.* p. 266 (1872; Great Namaqua and Damara Land); *Ayres, Ibis*, 1874, p. 104 (Potchefstroom); *Harting, P. Z. S.* 1874, p. 457; *Ayres, Ibis*, 1880, p. 111 (Transvaal); *Bocage, Orn. Angola*, p. 424 (1881: S. Angola, Quillengues, Humbe, Caconda); *Sharpe, in Oates's Matabele-Land*, App. B, p. 326 (1881); *Shelley, Ibis*, 1882, p. 363 (Spalding's, Hart R.); *Fischer, Zeitschr. ges. Orn.* i. p. 389 (1884: Nguruman); *Sharpe, ed. Layard's B. S. Afr.* p. 645 (1884: Cape Colony generally and Natal); *Fischer, J. f. O.* 1885, p. 116; *Seebohm, Ibis*, 1887, p. 338 (Natal); *id. Geogr. Distr. Charadr.* p. 81 (1888); *Buttik. Notes Leyden Mus.* x. p. 243 (1888: Humpata); *Shelley, P. Z. S.* 1889, p. 371 (Kilimanjaro); *Heine & Reichen. Nomencl. Mus. Hein., Orn.* p. 333 (1890: S. Africa); *Reichen. J. f. O.* 1891, p. 141 (Yuru, Uniamuesi); *Hartl. Abh. Ver. Brem.* xii. pt. 1, p. 41 (1891: Usambiro); *Reichen. J. f. O.* 1892, p. 8 (Victoria Nyanza).

Œdicnemus maculosus, *Temm. Pl. Col.* v. pl. 292 (1824); *Gray, Gen. B.* iii. p. 535 (1844); *Gurney, Ibis*, 1860, p. 217 (Natal); *Layard, B. S. Afr.* p. 288 (1867: Natal, Kaffraria); *Gurney, Ibis*, 1868, p. 254; *Layard, Ibis*, 1869, p. 76; *Buckley, Ibis*, 1874, p. 104 (Potchefstroom); *Hartert, Kat. Vogels. Mus. Senckenb.* p. 219 (1891).

Œdicnemus macrorhynchus, *Licht. Vög. Kaffernl.* p. 19 (1842); *Hartl. J. f. O.* 1854, p. 213.

Œdicnemus affinis (*nec Rüpp.*), *Cab. J. f. O.* 1878, p. 245 (Ndi, Teita); *Böhm, J. f. O.* 1882, p. 185 (Tabora); *Schalow, J. f. O.* 1883, p. 330 (Tabora); *Reichen. J. f. O.* 1887, p. 47 (Schasche).

Adult male. General colour above tawny or sandy rufous, mottled

coarsely with black, which takes the form of bars and terminal spots; wing-coverts like the back; the median coverts also with large bars and spots of black, but the outermost greyish with irregular bars of dusky black; the greater series ashy grey, with a black band at the end and narrowly tipped with white, the shafts prominently black and the inner major coverts regularly barred across with black; primary-coverts and quills black, the inner primaries narrowly tipped with white, the secondaries white at the base and for a great part of the inner web, the three outer primaries with a large white mark on both webs, and the seventh, eighth, and ninth having a conspicuous white mark forming a speculum; the innermost secondaries barred across with black; lower rump and upper tail-coverts similar to the back, but a little more definitely streaked longitudinally; the centre tail-feathers with regular black bars, increasing in width towards the outside of the tail, the external feathers having a broad black band at the end, before which is an equally broad white bar; head like the back, the black predominating; lores whitish, as well as the feathers above and below the eye, and a broad band across the sides of the face, this whitish band surmounted by a line of black; the cheeks and ear-coverts tawny, streaked with black; throat white; the lower throat, fore neck, and breast, as well as the sides of body, clear tawny or sandy buff, longitudinally streaked with black centres to the feathers; abdomen white; under tail-coverts orange-rufous or pale cinnamon; under wing-coverts white, but the lesser series and those round the bend of the wing brown, lined with black so as to resemble the upper series; the lower primary-coverts black at the ends, forming a large patch; axillaries grey with a black shaft-streak: "bill yellow at the base, black towards the tip; feet yellow, dark along the front; iris bright yellow" (*T. Ayres*). Total length 16 inches, culmen 1·35, wing 9·1, tail 4·5, tarsus 3·7.

Adult female. Similar to the male in plumage. Total length 15 inches, culmen 1·4, wing 8·7, tail 4·2, tarsus 3·65.

I have had no means of determining, from the series in the British Museum, the precise differences between the old and young birds; but as some are very much darker than others, I take it that these will probably be found to be less mature than the more rufous specimens.

Hab. Cape Colony, extending on the west to Damara-land, and throughout South-eastern Africa to Tabora and the Kilimanjaro district in Eastern Africa.

a. Ad. sk.	Elephant Vley, Damara-land (*C. J. Andersson*).	Tweeddale Coll.
b, c. Ad. sk.	South Africa.	Tweeddale Coll.
d. Ad. st.	South Africa.	Sir A. Smith [C.].
e. Ad. sk.	South Africa.	Seebohm Coll.
f. ♀ ad. sk.	Berg River, S. Africa (*E. L. Layard*).	Seebohm Coll.
g. Ad. sk.	Natal.	Seebohm Coll.

h. ♂ ad. sk.	Natal, May 25 (*T. E. Buckley*).	Shelley Coll.
i. Ad. sk.	Natal (*F. Oates*).	W. E. & C. G. Oates, Esqrs. [P.].
k. ♂ ad. sk.	Newcastle (*E. A. Butler*).	Shelley Coll.
l. ♀ ad. sk.	Swaziland, June 17 (*T. E. Buckley*).	Shelley Coll.
m, n. ♂ ♀ ad. sk.	Potchefstroom, Transvaal, Dec. (*T. Ayres*).	Gurney Coll.
o. Ad. sk.	Marico District.	F. A. Barratt, Esq. [P.].
p. Ad. sk.	Tete, Zambesi (*Sir J. Kirk*).	Livingstone Expedition.
q. ♀ ad. sk.	Tabora, Dec. 22.	Dr. R. Böhm [C.].
r. Ad. sk.	Kilimanjaro.	H. C. V. Hunter, Esq. [P.].
s. Skeleton.		Purchased.

8. Œdicnemus affinis.

Œdicnemus affinis, *Rüpp. Mus. Senck.* ii. p. 210 (1837); *id. Syst. Uebers.* p. 117, Taf. 42 (1845); *Strickl. P. Z. S.* 1850, p. 220 (Kordofan); *Reichenb. Handb., Grall. Nov.* Taf. xxxvi. figs. 2440–41 (1851); *Heugl. Syst. Uebers.* p. 54 (1856: Abyssinian coast; White Nile, south of 6°); *Hartl. Orn. W.-Afr.* p. 209, note (1857); *Heugl. Ibis*, 1859, p. 344 (Habab; Danakil; Tajura); *Speke, Ibis*, 1860, p. 248 (Somali); *Hartl. J. f. O.* 1861, p. 268; *Antin. Cat. descr. Ucc.* p. 96 (1864: 11° N. lat.); *Schl. Mus. Pays-Bas, Cursores*, p. 21 (1865: Nubia; Kordofan; Bissao?); *Blanf. Geol. & Zool. Abyss.* p. 428 (1870: Anseba Valley); *Finsch, Tr. Z. S.* vii. p. 294 (1870: Gabena-welt-Gonfallon); *Finsch & Hartl. Vog. Ostafr.* p. 626 (1870: Somali); *Gray, Hand-l. B.* iii. p. 9, no. 10043 (1871); *Heugl. Orn. N.O.-Afr.* ii. p. 990 (1873: coast of Samhar; E. Kordofan; Upper Kir and Gazelle Rivers); *Antin. & Salvad. Viagg. Bogos*, p. 142 (1873: Samhar; Bogos; Barka); *Salvin, Cat. Strickl. Coll.* p. 590 (1882); *Shelley, P. Z. S.* 1888, p. 49 (Lado); *Heine & Reichen. Nomencl. Mus. Hein. Orn.* p. 332 (1890: Abyssinia); *Hartert, Kat. Vogels. Mus. Senck.* p. 219 (1891: Abyssinia).

Œdicnemus capensis affinis, *Seeb. Geogr. Distr. Charadr.* p. 82 (1888).

Adult. Similar to *Œ. capensis*, but more tawny rufous above, and with the tarsus much shorter: "terminal half of the bill blackish, the base yellow; eyelids bare; feet and iris bright yellow" (*von Heuglin*). Total length 16 inches, culmen 1·65, wing 8·75, tail 4·35, tarsus 3·2.

Hab. North-eastern Africa, from Kordofan and Bogos, south to Somali-land, and to Lado in Equatorial Africa.

a. Ad. sk.	Bogos-land.	Mr. Esler [C.].
b. ♀ ad. sk.	Anseba Valley, Aug. 3.	W. T. Blanford, Esq. [C.].
c. ♂ ad. sk.	Anseba Valley, Aug. 6 (*W. Jesse*).	Tweeddale Coll.
d. Ad. sk.	Lado, Equatorial Africa, April 14.	Emin Pasha [P.].

2. BURHINUS *.

Type.
Burhinus, *Illiger*, *Prodr.* p. 250 (1811) ..... B. grallarius.

Range. The same as that of the single species.

1. Burhinus grallarius.

AUSTRALIAN THICK-KNEE.

Great-billed Plover, *Lath. Gen. Syn. Suppl.* ii. p. 319 (1801).
High-legged Plover, *Lath. t. c.* p. 319 (1801: New South Wales).
Bridled Plover, *Lath. t. c.* p. 320 (New South Wales).
Charadrius magnirostris (*nec Vieill.*), *Lath. Ind. Orn. Suppl.* p. lxvi (1801).
Charadrius grallarius, *Lath. Ind. Orn. Suppl.* p. lxvi (1801).
Charadrius frenatus, *Lath. op. cit.* p. lxvii (1801).
Œdicnemus longipes, *Vieill. N. Dict. d'Hist. Nat.* xxiii. p. 232 (1818); *Temm. Pl. Col.* v. pl. 386 (1826); *Vieill. Gal. des Ois.* ii. p. 84, pl. 228 (1834); *Ramsay, Tab. List Austr. B.* p. 35 (1888).
Œdicnemus magnirostris (*nec Geoffr.*), *Stephens, in Shaw's Gen. Zool.* xi. pt. 2, p. 462 (1819: New South Wales).
Himantopus grallarius, *Stephens, in Shaw's Gen. Zool.* xii. pt. 1, p. 184 (1824: New Holland).
Burhinus novæ hollandiæ, *Stephens, in Shaw's Gen. Zool.* xiv. pt. 1, p. 342 (1826: New Holland).
Charadrius giganteus, *Wagl. Isis*, 1829, p. 647 (Australia).
Œdicnemus grallarius, *Gray, List Grallæ Brit. Mus.* p. 59 (1844); *id. Gen. B.* iii. p. 535 (1844); *Gould, B. Austr.* vi. pl. 5 (1848); *Licht. Nomencl. Av. Mus. Berol.* p. 93 (1854); *Schl. Mus. Pays-Bas*, Cursores, p. 18 (1865: Australia); *Gould, Handb. B. Austr.* ii. p. 210 (1865); *Ramsay, P. Z. S.* 1866, p. 334 (Port Denison); *Gray, Hand-l. B.* iii. p. 10, no. 9947 (1871); *Harting, P. Z. S.* 1874, p. 459 (W. Australia, breeding, Sept.–Oct.); *Ramsay, P. Z. S.* 1877, p. 335 (Queensland); *Masters, Proc. Linn. Soc. N. S. W.* i. p. 59 (1877: Percy Is., N.E. Coast); *Ramsay, op. cit.* ii. p. 196 (1878); *Masters, t. c.* p. 275 (Port Darwin); *Nehrk. J. f. O.* 1879, p. 408; *Salvin, Cat. Strickl. Coll.* p. 590 (1882); *Meyer, Sitzb. u. Abh. Ges. Isis*, 1884, p. 215 (Timor-laut); *North, Proc. Linn. Soc. N. S. W.* (2) i. p. 1170 (1886, eggs); *Ramsay, op. cit.* (2) ii. p. 171 (N.W. Australia); *id. Tab. List Austr. B.* p. 19 (1888: nearly the whole of Australia); *Seebohm, Geogr. Distr. Charadr.* p. 83 (1888); *North, Proc. Linn. Soc. N. S. W.* (2) iii. p. 1778 (1889: Cumberland Co., N. S. W.); *Cox & Hamilton, op. cit.* (2) iv. p. 419 (1890: Mudgee Distr.); *Salvad. Aggiunte Orn. Pap.* iii. p. 198 (1891).

---

* This generic name is in general use and must therefore be employed; but in strictness it should be rejected, as it was not founded by Illiger on an actual specimen, but on the description of Latham's 'Great-billed Plover' (Gen. Syn. Suppl. ii. p. 319). This description is evidently taken from a coloured figure and not from a bird, and, moreover, he describes the bill as "very broad, resembling the Tody genus." It is on this statement that Illiger founded the genus *Burhinus*. Latham further described his 'Great-billed Plover' as being of the size of the 'Golden Plover': further evidence that Latham himself never saw the bird. For the rest, the description is evidently that of the Australian Thick-knee.

Burhinus grallarius, *Reichenb. Av. Syst. Nat.* p. xvii, Taf. 184. fig. 995, Taf. 186. figs. 2442–43 (1852); *Bp. C. R.* xliii. p. 416 (1856); *Heine & Reichen Nomencl. Mus. Hein. Orn.* p. 333 (1890). (Edicnemus australis, *Scl. P. Z. S.* 1859, p. 212; *id. Ibis*, 1859, p. 338.

Adult. General colour above ashy grey, the crown, neck, and mantle streaked with blackish stripes, much more emphasized on the feathers of the back and scapulars, many of which have broad black centres and tawny margins; the lower back and rump ashy grey, streaked with blackish shaft-stripes; the upper tail-coverts similarly marked, but having also some remains of bars like the tail-feathers, which have narrow and irregular cross-bars, the outer ones with a broad black band at the tip, before which is a broad sub-terminal bar of white; lesser wing-coverts dark brown with tawny margins, the median series dull white with broad black shaft-streaks, the greater series dark ashy brown; bastard-wing, primary-coverts, and quills black, the first four primaries with a broad band of white on both webs, and the inner primaries with a white mark at the base; secondaries white towards the base of inner web, the innermost secondaries like the back; head ashy like the back, streaked with blackish shaft-lines; lores and a narrow eyebrow, as well as a spot below the eye, white; a band below the eye crossing the ear-coverts, black, slightly washed with rufous, and extending in a line of black-streaked feathers down the sides of the neck, this black line followed by a broad white band stretching below the eye and losing itself in the brown of the ear-coverts; cheeks reddish brown, streaked with black; throat and under surface of body white, more or less tinged with tawny on the lower throat, fore neck, breast, and sides of body, all of which parts are streaked with black, the breast very broadly; under tail-coverts very pale cinnamon-buff; lesser under wing-coverts blackish, the remainder as well as the axillaries and lower primary-coverts broadly tipped with black: "bill black; legs sickly yellowish olive, gradually passing into the brown of the feet; iris yellow; eyelash black" (*J. Gould*). Total length 20·5 inches, culmen 1·9, wing 10·5, tail 6, tarsus 4·6.

Hab. Australia. Said to have occurred also in Timor-laut.

a	Ad. sk.	Australia.	Sir G. Grey [P.].
b	Ad. sk.	Australia.	Gould Coll.
c	Ad. sk.	South Australia.	Capt. Sturt [P.].
d	Ad. sk.	South Australia.	Seebohm Coll.
e	Ad. sk.	Sydney, New South Wales.	Australian Museum [P.].
f	♂ ad. sk.	Sydney.	Seebohm Coll.
g	♂ ad. sk.	Queensland.	Tweeddale Coll.
h, i	Ad. sk.	Queensland (*J. T. Cockerell*).	Salvin-Godman Coll.
k	Ad. sk.	Cape Upstart, Queensland, April 1 (*J. B. Jukes*).	Voy. H.M.S. 'Fly.'
l	♂ ad. sk.	N.W. Australia (*T. H. Bowyer Bower*).	Capt. Bowyer Bower [P.].
m	skeleton		Purchased.

3. ESACUS.

	Type.
Esacus, *Lesson, Traité*, p. 547 (1831)	E. recurvirostris.
Carvánaca, *Hodgs. J. A. S. Beng.* v. p. 775 (1836) .	E. recurvirostris.
Pseudops, *Hodgs. J. A. S. Beng.* x. pt. 1, p. 27 (1841)	E. recurvirostris.

Range. The same as that of the single species of the genus.

1. Esacus recurvirostris.

Œdicnemus recurvirostris, *Cuvier, Règne Anim.* i. p. 500 (1829); *Schl. Mus. Pays-Bas*, Cursores, p. 25 (1865: Bengal; Cambodia).

Esacus recurvirostris, *Lesson, Traité*, p. 547 (1831); *Gray, List Gralla Brit. Mus.* p. 60 (1844: Nepal; Bootan); *id. Gen. B.* iii. p. 535 (1844); *id. Cat. Mamm. etc. Nepal pres. Hodgs.* p. 131 (1846); *Blyth, Cat. B. Mus. As. Soc.* p. 200 (1849: Calcutta); *Irby, Ibis*, 1861, p. 237 (Oudh); *Jerd. B. Ind.* iii. p. 652 (1864); *Beavan, Ibis*, 1868, p. 391 (Sewalik Hills); *Gray, Hand-l.* B. iii. p. 10, no. 9949 (1871); *Hume, Str. F.* i. pp. 102, 232 (1873: Sindh); *id. Str. F.* ii. p. 482 (1874: Attaran River); *id. Str. F.* iii. p. 182 (1875: Thayetmyo); *id. Nests & Eggs Ind. B.* iii. p. 576 (1875); *Blyth & Wald. B. Burm.* p. 152 (1875: Kyasoo Creek); *Butler, Str. F.* iv. p. 14 (1876: Mount Aboo); *Ball, t. c.* p. 234 (Sumbalpur); *Butler, Str. F.* v. p. 232 (1877: Guzerat); *Hume & Davison, Str. F.* vi. p. 458 (1878: Houngthraw and Attaran Rivers); *Davidson & Wenden, Str. F.* vii. p. 88 (1878: Deccan); *Butler, t. c.* p. 186 (Karachi, breeding); *Ball, t. c.* p. 227 (Ganges to Godavery); *Cripps, t. c.* p. 301 (Faridpur); *Butler, Cat. B. Sind etc.* p. 59 (1879); *Hume, Str. F.* viii. p 112 (1879); *Doig, t. c.* p. 371 (E. Narra, breeding); *Legge, B. Ceylon*, p. 976 (1880); *C. Swinh. Str. F.* ix. p. 237 (1880: R. Hub, breeding); *Butler, Str. F.* ix. p. 427 (Bhima R., Deccan); *Reid, Str. F.* x. p. 67 (1881: Lucknow); *Barnes, t. c.* p. 166 (Indus, near Kotri, breeding); *Davidson, t. c.* p. 319 (W. Khandeish, resident); *Oates, Handb. B. Brit. Burm.* ii. p. 357 (1883); *Swinhoe & Barnes, Ibis*, 1885, p. 133 (Mhow district); *Parker, Ibis*, 1886, p. 188 (Ceylon); *Salvad. Ann. Mus. Genov.* (2) iv. p. 613 (1887: Bhamo); *Hume, Str. F.* xi. p. 316 (1888: Manipur); *Oates, ed. Hume's Nests & Eggs Ind. B.* iii. p. 335 (1890).

Carvánaca grisea, *Hodgs. J. A. S. Beng.* v. p. 776 (1836: Nepal); *id. Icon. ined. in Brit. Mus., Gralla*, pl. 45, no. 118.

Pseudops griseus, *Hodgs. in Gray's Zool. Misc.* p. 85 (1844).

Carvanaca recurvirostris, *Reichenb. Av. Syst. Nat.* p. xviii, Taf. 185. fig. 1071 (1852); *Bp. C. R.* xliii. p. 416 (1856).

Pseudops recurvirostris, *Heine & Reichen. Nomencl. Mus. Hein. Orn.* p. 333 (1890: Madras).

Adult male. General colour above ashy brown, with slightly indicated sandy-buff or whitish margins to the feathers; wing-coverts lighter and more pearly grey than the back, with narrow white ends to the outer median and the greater series; the lesser wing-coverts blackish, followed by a narrow white line; bastard-wing, primary-coverts, and quills blackish, the outer primaries crossed by a white band, the inner primaries white on the inner web, the innermost white at base and tip and crossed with a sub-terminal blackish band; the secondaries blackish brown, white for

the greater part of the inner web, the innermost secondaries brown like the back; lower back, rump, upper tail-coverts, and centre tail-feathers brown like the back; the outer feathers with a black bar at the ends, preceded by a bar of white, before which is a narrow blackish bar: crown of head and neck ashy brown like the back, with narrow blackish shaft-lines; base of forehead and lores white, extending in a band across the sides of the face to the hinder cheeks; above the eye a line of white, extending backwards above the ear-coverts to the sides of the neck; above this a band of black; below the eye a white patch, followed by a line of black, running to the black ear-coverts; from the angle of the mouth a black line along the upper line of the cheeks; the latter, as well as the under surface of the body white, with an isabelline tinge on the lower throat and fore neck; under wing-coverts and axillaries pure white, the lower greater coverts tipped with black; lower surface of quills white, the tips black: "edges of eyelids, bill, and nostrils yellow; remainder of bill black; feet plumbeous white, claws black; iris yellow" (*E. W. Oates*). Total length 19 inches, culmen 3, wing 10·3, tail 4·75, tarsus 3·1.

Adult female. Similar to the male in colour: "bill black, the region of the nostrils, gape, and base of lower mandible pale green; feet very pale bluish green; iris greenish yellow" (*W. Davison*). Total length 20 inches, culmen 3·05, wing 10·3, tail 4·3, tarsus 3·25.

Hab. Rivers of the Indian Peninsula from Sind, south to Ceylon, and eastwards to the Burmese countries, as far south as Tenasserim.

a. ♂ ad. sk	River Jhelum, near Sharpur, Sind, Nov. 26 (*A. O. H.*).	Hume Coll.
b Ad. sk.	Sirza district, Punjab.	Hume Coll.
c. ♂ ad. sk	Gurgaon district, March 21 (*W. N. Chill*).	Hume Coll.
d Ad. sk	Delhi.	Hume Coll.
e. ♂ ♀ ad. sk	River Jumna, near Etawah, Dec.	Hume Coll.
f ♂ ad sk	River Jumna, March (*Dr. Scott*).	Tweeddale Coll.
g. m. Ad. sk	Nepal.	Hodgson Coll. (Types of *Carrunaca grisea*.)
h. c. p Ad. sk	Nepal (*B. H. Hodgson*).	India Museum.
q ♂ ad sk.	Futtehgurh, March 13 (*A. Anderson*).	Hume Coll.
r. s Ad. sk	Bhotan Dooars, Feb., May (*L. Mandelli*).	Hume Coll.
t Ad. sk	Bhotan (*Pemberton*).	India Museum.
u. Ad sk.	Assam (*McClelland*).	India Museum.
v. w ♂ ♀ ad sk.	Khandeish, April, Nov. (*J. Davidson*).	Hume Coll.
x Ad sk.	Shemograh district, April 20 (*G. F. L. Marshall*).	Hume Coll.
y Ad. sk	Ceylon.	Tweeddale Coll.
z ♀ ad sk	Kyauk Creek, Burmah, Oct. (*R. G. W. R.*).	Tweeddale Coll.
a ♀ ad. sk.	Sittang Valley, Dec. 20 (*R. G. W. R.*)	Tweeddale Coll.

b', *c'*. ♂ ♀ ad. sk.	Lower Pegu, May, Nov. (*E. W. O.*).	Oates Coll.
d', *e'*, *f'*. ♀ ad. sk.	Thatone, Tenasserim, Nov., Dec. (*W. Davison*).	Hume Coll.
g'. ♂ ad. sk.	Amherst, Dec. 30 (*W. D.*).	Hume Coll.
h'. Sternum.	Pegu.	Oates Coll.

4. ORTHORHAMPHUS.

	Type.
Burhinus (*nec Illig.*), *Lesson, Traité*, p. 547 (1831) .	O. magnirostris.
Esacus (*nec Less.*), *Gray, Hand-l. B.* iii. p. 100 (1871)	O. magnirostris.
Orthorhamphus, *Salvad. Ucc. Born.* p. 312 (1874) ..	O. magnirostris.

Range. The same as that of the single species of the genus.

1. Orthoramphus magnirostris.

Œdicnemus magnirostris, *Vieill. N. Dict. d'Hist. Nat.* xxiii. p. 231 (1818: *ex Geoffr. MSS.*); *id. Enc. Méth.* i. p. 334, pl. 234. fig. 1 (1820); *Temm. Pl. Col.* v. pl. 387 (1826); *S. Müll. Verh. Land- en Volkenk.* p. 23 (1839–44: Oetanata); *Gray, P. Z. S.* 1860, p. 363; *Rosenb. Nat. Tijdschr. Nederl. Ind.* xxv. p. 253 (1863: Ceram); *id. J. f. O.* 1864, p. 135; *Seebohm, Geogr. Distr. Charadr.* p. 89 (1888); *Everett, Journ. As. Soc. Straits Branch*, 1889, p. 203 (Cape Simpangmengaio); *Hose, Ibis*, 1893, p. 424 (Baram Mouth).

Charadrius magnirostris, *Wagl. Syst. Av.* Charadrius, sp. 3 (1827).

Charadrius giganteus, *Wagl. Isis*, 1829, p. 647 (*ex Licht. in Mus. Berol.*).

Burhinus magnirostris, *Less. Traité d'Orn.* p. 547 (1831: New Guinea); *id. Compl. de Buff., Ois.* p. 677 (1838); *Gray, List Gen. B.* p. 83 (1841); *Licht. Nomencl. Av. Mus. Berol.* p. 93 (1854).

Esacus magnirostris, *Gray, List Gen. B.* p. 83 (1841); *id. Gen. B.* iii. p. 535 (1844); *Gould, B. Austr.* vi. pl. 6 (1848); *Macgill. Voy. Rattlesn.* ii. p. 358 (1852); *Gray, P. Z. S.* 1856, p. 187 (Aru), p. 196; *Bp. C. R.* xliii. p. 416 (1856); *Scl. Proc. Linn. Soc.* ii. p. 169 (1858); *Cass. U.S. Expl. Exp.* p. 359 (1858); *Gray, Cat. Mamm. & B. New Guinea*, p. 50 (1859); *Gray, P. Z. S.* 1861, p. 438 (Salawati); *Wallace, P. Z. S.* 1862, pp. 335, 346 (Sula Isl.); *id. P. Z. S.* 1863, p. 35 (Bouru); *Gould, Handb. B. Austr.* ii. p. 213 (1865); *Finsch, Neu-Guinea*, p. 181 (1865); *Schl. Mus. Pays-Bas*, Cursores, p. 22 (1865); *Rosenb. Reis naar Zuid-oostereil.* p. 82 (1867); *Marie, Actes Soc. Linn. Bord.* xxvii. p. 328 (1870: New Caledonia); *Gray, Hand-l. B.* iii. p. 10, no. 9948 (1871); *Wald. Trans. Z. S.* viii. p. 91 (1872: Celebes); *Hume, Str. F.* ii. p. 290 (1874: Andamans, breeding); *id. op. cit.* iii. p. 224 (1875); *Hume, Nests & Eggs Ind. B.* iii. p. 581 (1873); *Wald. Tr. Z. S.* ix. p. 227 (1875: Sooloo Is.); *Hume, Str. F.* iv. p. 293 (1876); *Scl. P. Z. S.* 1876, p. 461 (Huon Gulf); *Masters, Proc. Linn. Soc. N. S. W.* i. p. 59 (1877: Cape Grenville; Long Isl.); *Ramsay, t. c.* p. 187 (Queensland); *id. P. Z. S.* 1877, p. 335 (Port Denison); *Scl. t. c.* p. 556; *Hume, Str. F.* v. p. 121 (1877); *Ramsay, Proc. Linn. Soc. N. S. W.* ii. p. 196 (1878); *Masters, t. c.*

p. 275 (Port Darwin); *E. L. & E. L. C. Layard, Ibis*, 1878, p. 282 (New Caledonia); *Rosenb. Malay. Archip.* pp. 277, 373, 381 (Mysol), p. 503 (1878–79); *Hume & Davison, Str. F.* vi. p. 450 (1878: Mergui Is.); *Hume, Str. F.* viii. pp. 112, 384 (1879); *Finsch, P. Z. S.* 1879, pp. 9, 14 (Duke of York Isl.); *E. L. & E. L. C. Layard, Ibis*, 1881, p. 136 (Huon Is., New Caledonia); *Finsch, t. c.* p. 540 (New Britain); *Sel. Voy.* '*Challenger*,' ii. p. 33 (1881: Pigeon Is.); *Tristr. P. Z. S.* 1881, p. 996 (Louisiades); *id. Ibis*, 1882, pp. 140, 144 (Solomon Is.); *E. L. & E. L. C. Layard, t. c.* pp. 532, 544 (Huon Is., breeding); *Oates, Handb. B. Brit. Burm.* ii. p. 351 (1883); *Sharpe, Ibis*, 1888, p. 203 (Palawan); *Grant, P. Z. S.* 1888, p. 201 (Guadalcanar); *Ramsay, Tab. List Austr. B.* p. 19 (1888); *Whitehead, Ibis*, 1890, p. 59 (Palawan); *Sharpe, t. c.* pp. 141, 284 (Abai, N. Borneo); *Oates, ed. Hume's Nests & Eggs Ind. B.* iii. p. 334 (1890); *De Vis, Ann. Rep. Brit. New Guin.* p. 62 (1890); *id. Colon. Papers*, no. 103, p. 116 (1890); *id. Ibis*, 1891, p. 41 (Fergusson Is.); *Walker, Ibis*, 1892, p. 257 (Adèle Is., N.W. Australia); *Tristr. t. c.* p. 290 (Solomon Is.).

(Edicnemus giganteus, *Gray, Gen. B.* iii. p. 535 (1844).

(Edicnemus major, *Brehm, teste Gray, Hand-l. B.* iii. p. 10, no. 9948 (1871).

Orthorhamphus magnirostris, *Salvad. Ucc. Born.* p. 312 (1874: Borneo); *Hume, Str. F.* v. p. 121 (1877: critic.); *Salvad. Ann. Mus. Genov.* ix. p. 47 (1876); *id. op. cit.* xiv. p. 665 (1879); *D'Alb. Nuova Guin.* p. 585 (1880); *Salvad. Ann. Mus. Genov.* xviii. p. 323 (1882); *Salvad. Orn. Papuasia etc.* iii. p. 290 (1882); *Sel. P. Z. S.* 1883, p. 52, 195, 200 (Kirimoen; Larut; Timor-laut); *Forbes, P. Z. S.* 1884, p. 433; *Nehrk. J. f O.* 1885, p. 35 (Waigiou); *Guillem. P. Z. S.* 1885, p. 604 (Mysol); *Meyer, Zeitschr. ges. Orn.* iii. p. 38 (1886: Jobi); *Heine & Reichen. Nomencl. Mus. Hein. Orn.* p. 333 (1890); *Salvad. Aggiunte Orn. Pap.* iii. p. 198 (1891).

Xiphocercus magnirostris, *Ramsay, Proc. Linn. Soc. N. S. W.* vii. p. 40 (1882: Solomon Is.); *Sharpe, Rep. Zool. Coll. Voy. H.M.S.* '*Alert*,' p. 26 (1884).

Adult. General colour above ashy brown, with dusky shaft-lines to the feathers; scapulars like the back; upper tail-coverts ashy like the back, but freckled and barred with dusky brown; lesser wing-coverts dark brown, the lower ones blackish at the ends and forming a broad band across the wing, followed by another band of white, formed by the median coverts, which are grey at the tips, with a broad white band across the middle followed by another bar of dusky blackish; greater coverts entirely grey, fading off into whitish at the ends; bastard-wing and primary-coverts blackish, the smaller primary-coverts white like the quills they cover; primaries brownish black with white along the inner web, extending across the outer web of the first two; inner primaries pure white; the secondaries dark brown, externally grey, with white bases and small white tips, also white along the inner webs, on the inner ones the white confined to the inner web, the long innermost secondaries ashy brown like the back; tail-feathers ashy brown, with a black band at the end, before which is a broad band of white, preceded by a narrow black band, the two centre feathers

light ashy brown freckled with dusky mottlings, the other feathers also slightly freckled with dusky; crown of head and neck like the back; lores blackish, as also a broad band along the sides of the crown, extending to the sides of the neck, where it joins the black ear-coverts and encloses the white of the face, which consists of a white band above and below the eye extending above the ear-coverts; cheeks white, extending in a line along the base of the upper mandible and forming a streak in front of the eye; fore part of cheeks black; chin and throat white; lower throat ashy brown, streaked with darker brown, as also the sides of the neck; breast pale ashy; remainder of the under surface of body white with a slight tawny tinge; under tail-coverts tawny buff; under wing-coverts and axillaries white, as also the quill-lining: "base of bill sulphur-yellow, continued along the sides of the upper mandible above the nostrils; remainder of bill black; tibia lemon-yellow; tarsi and feet wine-yellow; upper ridge of scales of toes lead-colour; eyelids primrose-yellow; iris pale yellow" (*J. Gould*). Total length about 19 inches, culmen 3, wing 10·8, tail 4·3, tarsus 3·3.

Adult female. Similar to the male in colour. Total length about 20 inches, culmen 2·8, wing 10·6, tail 4·3, tarsus 3·3.

Young. Two specimens from the Duke of York Island and Guadalcanar are apparently immature, having the feathers of the upper surface tipped with sandy buff, especially on the wing-coverts, where the white band on the median series is not so defined as in the adults, but showing a broader band of brown-tipped feathers below. There is, however, a second white band formed by the white tips to the greater wing-coverts, and it is somewhat curious that this should be a sign of immaturity.

Hab. Shores of Australia and throughout the Malayan Archipelago to Borneo and the Andamans.

a. Ad. sk.	Australia.	J. B. Jukes, Esq. [P.].
b. Imm. st.	Australia.	Sir E. Belcher [P.].
c. Ad. st.	Australia.	Earl of Derby [P.].
d. Ad. sk.	Queensland (*J. T. Cockerell*).	Salvin-Godman Coll.
e. ♀ ad. sk.	Port Molle, Queensland (*Dr. Coppinger*).	Voy. H.M.S. 'Alert.'
f. Ad. sk.	Rockingham Bay, May 24 (*J. Macgillivray*).	Captain Owen Stanley [P.].
g. ♀ ad. sk.	Admiralty Islands.	Voy. H.M.S. 'Challenger.'
h. ♂ juv. sk.	Guadalcanar, Solomon Isl., Dec. 26 (*J. Macgillivray*).	Gould Coll.
i. ♀ juv. sk.	Duke of York Island, Oct. 15 (*Dr. Kleinschmidt*).	Sharpe Coll.
k. Ad. sk.	Huon Gulf, Eastern New Guinea (*Dr. Comrie*).	Tweeddale Coll.
l, m. Ad. sk.	Aru Islands.	Wallace Coll.
n. Ad. sk.	Aru Islands.	Tweeddale Coll,
o. ♀ ad. sk.	Kirimoen Isl., Tenimber Group, Sept. 1.	Dr. H. O. Forbes [C.].

[illegible]	♂ ♀ ad. ok	Larut, Tenimber Group, Sept. [illegible] (*H. O. Forbes*).	Tweeddale Coll.
[illegible]	♂ ad. ok.	Baram Mouth, Borneo, Dec. 1866.	C. Hose, Esq. [P.].
[illegible]	♂ ad. ok.	Andamans, July (*R. J. Wimberley*).	Hume Coll.
[illegible]	♂ ad. ok.	Port Cornwallis, N. Andamans, April 6 (*R. J. Wimberley*).	Hume Coll.
[illegible] ok	♂ ♀ ad.	Port Blair, Feb. (*R. J. W.*).	Hume and Tweeddale Colls.
[illegible]	♂ ad ok.	Little Cocos Isl., March (*A. O. H.*).	Hume Coll.

Family II. CURSORIIDÆ.

Nostrils schizorhinal (except *Pluvianus*).
Palate schizognathous.
Basipterygoid processes absent.
Tarsus transversely scaled in front.
Young covered with down at birth and able to run in a few hours.
Egg white (*Dromas*), or thickly blotched and scribbled (*Cursorius* and *Glareola*).

On account of its holorhinal nostrils *Pluvianus* is associated by Mr. Seebohm with the *Œdicnemidæ*. Its relations, however, are so manifestly with *Cursorius* that it is better to subordinate the character of the nostrils and to place the genus with the other Coursers, as has been done by Dr. Gadow.

Dromas is placed by both the above-named naturalists in this same division, but to my mind it stands quite alone, its peculiar mode of nesting proving that it is neither a Courser nor a Thick-knee.*

Ortyxelus has been relegated to the *Charadrii* by my colleague Mr. Ogilvie-Grant, who considers that it is a Courser and not a Turnicine form. It is, of course, impossible to determine this question without an examination of the anatomy and osteology of the genus, but I have placed it provisionally with the Coursers. It is to be noticed, however, that Mr. F. J. Jackson, who obtained *Ortyxelus* in Turquel, entered it in his field-notes as a "Little Courser."

Key to the Genera.

a. Middle claw pectinated, the claw only slightly extending beyond the end of the toe itself; nostril pierced in the bill itself; no operculum; bill straight or nearly so along the culmen; the angle of the genys placed very far back, much nearer to the gape than to the apex of the mandible; quills pointed, the primaries exceeding the secondaries in length, falling short of the tip of the tail, which again falls short of the outstretched legs; black dorsal feathers elongated ..... 1. DROMAS, p. 27.

b. No pectination on the middle claw, which is slightly swollen on its inner aspect; wings

* *Cf.* Sharpe, Classif. B. p. 72.

not pointed; the secondaries as long as the primaries and not extending beyond the out-stretched feet.

a. Nostrils situated in a narrow slit, shut in by an operculum; upper plumage rufous, vermiculated and mottled with blackish like a Quail: no elongated plumes on the upper back ..... 2. ORTYXELUS, p. 30.

b. Nostrils ovate, shut in by an operculum; plumage not vermiculated; interscapular plumes elongated and overhanging the lower back ..... 3. PLUVIANUS, p. 32.

c Middle claw pectinated along its inner margin.

c Wings long, the primaries pointed, but not extending as far as the outstretched feet, though they reach to the end of the tail.

a. Bill long and curved, the culmen equal to, or longer than, the middle toe and claw; lower mandible curved at the same angle as the upper one ..... 4. CURSORIUS, p. 34.

b. Bill widened at the base, the culmen not so long as the middle toe without the claw; lower mandible not decurved, the genys ascending towards the tip ..... 5. RHINOPTILUS, p. 43.

d. Wings of extraordinary length, the primaries pointed and reaching far beyond the outstretched feet to the tip of the tail, or even beyond the latter.

c Tarsus very long, the outstretched feet far exceeding the tail; first primary produced far beyond the second, and extremely attenuated towards the tip ..... 6. STILTIA, p. 51.

d. Tarsus only moderate or rather short, the outstretched feet not reaching beyond the tail.

a Tail very strongly forked, the outermost feather far exceeding the others in length ..... 7. GLAREOLA, p. 53.

b Tail emarginate and nearly square, but the outer feather slightly exceeding the middle one in length .. 8. GALACTOCHRYSEA, p. 62.

1. DROMAS.

Type.

Dromas, *Paykull, K. Vet.-Akad. Handl. Stockholm*, xxvi. p. 142 (1805) ..... D. ardeola.

Dromas, Salt, Voy. Abyss. App. iv. p. lxi (1814) ..... D. ardeola.

Range. The same as that of the single species of the genus.

Fig. 3.—Left foot of *Dromas ardeola*, from the outside.

Fig. 4.—Middle claw of right foot of *D. ardeola*, from the inner side (enlarged).

1. Dromas ardeola.

Dromas ardeola, *Paykull, K. Vet.-Akad. Handl. Stockh.* xxvi. pp. 182, 188, tab. 8 (1805: India); *Temm. Pl. Col.* v. pl. 362 (1825); *Dupont, Ann. Sc. Nat.* 1826, p. 184, pl. 45 (Bengal); *Strickl. Ann. N. H.* vii. p. 38 (1841); *Gray, List Grallæ Brit. Mus.* p. 73 (1844); *Rüpp. Syst. Uebers.* p. 121 (1845: Red Sea); *Gray, Gen. B.* iii. p. 560 (1848); *Blyth, Cat. B. As. Soc.* p. 276 (1849: Ceylon, S. India); *Reichenb. Av. Syst. Nat., Gall.* p. xii, Taf. 167. figs. 440–442 (1852); *Blyth, J. A. S. Beng.* xxi. p. 352 (1852); *id. Contr. Orn.* 1852, p. 27 (Ceylon); *Layard, Ann. & Mag. N. H.* 1854, p. 270 (Ceylon); *Heugl. Syst. Uebers.* p. 60 (1856: Red Sea); *id. Ibis*, 1859, p. 346 (Gulf of Aden); *Hartl. Faun. Madag.* p. 85 (1861); *Schl. Mus. Pays-Bas*, Sternæ, p. 41 (1863: Red Sea); *Jerd. B. Ind.* iii. p. 658 (1864); *Pelz. Reis. Novara, Vög.* p. 124 (1865: Nicobars); *Gurney, Ibis*, 1865, p. 270 (Natal Coast); *Layard, B. S. Afr.* p. 372 (1867: Natal); *Blyth, Ibis*, 1867, p. 166; *Beavan, t. c.* p. 332 (Andamans); *E. Newton, t. c.* pp. 351, 359 (Seychelles); *Heugl. J. f. O.* 1867, p. 285 (Dahlak); *van der Hoeven, Nova Acta Acad. Cæs. Leop.* xxxiii. no. 7 (1867); *Sperling, Ibis*, 1868. p. 284 (Europa Is., Mozambique Channel); *Schl. & Poll. Faune Madag., Ois.* ii. p. 150 (1868); *Cab. in Von der Decken's Reis.* iii. p. 46 (1869); *Blanf. Geol. & Zool. Abyss.* p. 432 (1870); *Finsch, Tr. Z. S.* vii. p. 295 (1870: Suakin; Zoulla; Massaua); *Finsch & Hartl. Vög. Ostafr.* p. 627 (1870); *Gray, Hand-l. B.* iii. p. 41, no. 10237 (1871); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1043 (1873); *Hume, Nests & Eggs Ind. B.* p. 584 (1873); *Ball, Str. F.* i. p. 85 (1873: Andamans and Nicobars); *Hume, t. c.* p. 234 (Karachi); *Salvad. & Antin. Viagg. Bogos*, p. 142 (1873: Massaua); *Wald. Ibis*, 1874, p. 146 (Andamans); *Hume, Str. F.* ii. pp. 59, 293 (1874: Andamans); *Legge, Str. F.* iii. p. 220 (1875: Ceylon); *Le Messurier, t. c.* p. 378 (Sindh); *Hayes Lloyd, Ibis*, 1876, p. 280 (Kathiawar); *Legge, Str. F.* iv. p. 246 (1876: Ceylon); *Hume, t. c.* pp. 451, 464 (Laccadives), p. 496 (Mekran Coast); *Butler, Str. F.* v. pp. 212, 232 (1877: Mandavi); *Hartl. Vög. Madag.* p. 320 (1877); *Oust. Bull. Soc. Philomath.* 1878, p. 184 (Seychelles); *Butler, Str. F.* vii. p. 186 (1878: Karachi Harbour); *Hume, Str. F.* viii. p. 112 (1879), pp. 381–384 (Mekran Coast, breeding); *Butler, Cat. B. Sind etc.*

p. 59 (1879: Coasts of Sindh and Cutch); *Parker, Str. F.* ix. p. 482 (1880: Ceylon, breeding); *Legge, B. Ceylon*, p. 991 (1880); *Sel. P. Z. S.* 1881, p. 174 (Socotra); *Salvin, Cat. Strickl. Coll.* p. 617 (1882: Madras); *Sharpe, ed. Layard's B. S. Afr.* p. 694 (1884: Natal); *Milne-Edwards & Grandid. H. N. Madag., Ois.* p. 614 (1885); *Verbury, Ibis*, 1886, p. 20 (Aden); *Shelley, Ibis*, 1888, p. 304 (Lamu); *Oates, ed. Hume's Nests & Eggs Ind. B.* iii. p. 327 (1891); *Sharpe, Ibis*, 1891, p. 113 (Fao, breeding); *Sibree, Ibis*, 1892, p. 273 (Madagascar); *Barnes, Ibis*, 1893, p. 170 (Aden); *Finney, Journ. Bomb. N. H. Soc.* viii. pp. 320-322 (1893: Aden, breeding).

Erodia amphilensis, *Salt, Trav. Abyss.* App. iv. p. lxi, cum tab. (1814: Bay of Amphila); *Jard. & Selby, Ill. Orn.* pl. 75 (1829).

Abyssinian Erody, *Lath. Gen. Hist. B.* ix. p. 137, pl. clxix. (1824).

Ammoptila charadrioides (*nec Swains.*), *Jerd. Madr. Journ.* xi. p. 216 (1840: West Coast of India).

Adult male. Pure black and white, the entire mantle black, the lower plumes elongated to a great extent, so as to overhang the lower back; scapulars, wing-coverts, and inner secondaries pure white; bastard-wing, primary-coverts, and quills black, the inner webs of the primaries ashy white and the shafts white; the secondaries whitish on the inner web; lower back, rump, and upper tail-coverts pure white; tail-feathers ashy grey, the outer ones white on the inner webs; head and neck all round, as well as the entire under surface, pure white, as well as the under wing-coverts and axillaries; anterior and posterior edge of eyelid black; "bill black; thighs, tarsi, and feet light bluish ash; iris dusky" (*T. Ayres*). Total length 16·5 inches, culmen 2·2, wing 8·25, tail 4·5, tarsus 3·4.

Adult female. Exactly similar to the male, but somewhat smaller and with the long mantle-plumes not so strongly developed. Total length 13·5 inches, culmen 2·3, wing 7·9, tail 2·5, tarsus 3·7.

Young. Distinguished from the adults by having the mantle dusky grey, more or less mixed with black, the head and nape streaked with black, or at least shaded with dusky grey on the top of the head; wing-coverts and inner secondaries also ashy grey.

Nestling. Covered with ashy-grey down above, slightly mottled with dusky; cheeks and under surface of body dingy grey, the general appearance of the bird being uniform.

Hab. The shores of Eastern Africa and Madagascar, north to the Red Sea and Arabia, thence east along the shores of the Indian Ocean to those of Southern India and Ceylon, as well as the Andaman and Nicobar Islands. Nesting in burrows.

a Immature.	N.E. Madagascar (*Van Dam*).	J. E. Harting, Esq. (P.)
b Adult.	Lamu, E. Africa.	F. J. Jackson, Esq. (P.)
c ♂ adult.	Socotra, Feb. 15.	Prof. Balfour (C.).
d Adult.	Jeddah, Red Sea.	H. H. Calvert, Esq. (P.)
e Adult.	Jeddah.	Salvin-Godman Coll.
f ♀ adult.	Suakin, Sept. 1 (*W. Jesse*).	Tweeddale Coll.

g–k. Ad. et imm. sk.	Fao, Persian Gulf, Oct.	W. D. Cumming, Esq. [P.].
l. Ad. sk.	Persian Gulf.	Hume Coll.
m. Pull. sk.	Island of Tungistan, E. of Bushire, June 2 (*E. A. Butler*).	Hume Coll.
n, o, p. Ad. et imm. sk.	Mekran Coast, Jan. (*A. O. H.*)	Hume Coll.
q. ♀ ad. sk.	Mandavi, Kutch, Jan. 25 (*E. A. Butler*).	Hume Coll.
r. Ad. sk.	Karachi, Oct. 23 (*Col. Le Messurier*).	Hume Coll.
s. ♀ imm. sk.	Andamans, Aug. (*R. J. Wimberley*).	Hume Coll.
t, u. ♂ ad.; *v.* ♀ ad. sk.	South Andamans, March 12 (*R. J. Wimberley*).	Tweeddale Coll.
w, x. Ad. sk.	Macpherson's Straits, Andamans, March (*R. G. W. R.*).	Tweeddale Coll.
y, z, a'. ♂ ad. et imm. sk.	Jolly Boys Island, Andamans, March 9 (*W. Davison*).	Hume Coll.
b'. ♀ imm. sk.	Aberdeen, S. Andamans, June 5 (*W. Davison*).	Hume Coll.
c'. ♀ ad. sk.	Port Blair, August.	Hume Coll.

2. ORTYXELUS.

	Type.
Ortyxelus, *Vieillot, Gal. Ois.* ii. p. 91 (1834)	O. meiffreni.
Torticella (ubi?), *teste Gloger.*	
Psilocnemis, *Gloger, Handb. Naturg.* p. 403 (1842)....	O. meiffreni.
Helortyx, *Agassiz, Index Univ.* p. 176 (1846)	O. meiffreni.
Oxytelus, *Reichenb. Av. Syst. Nat.* p. xxviii (1852)	O. meiffreni.

Range. The same as that of the single species of the genus.

1. Ortyxelus meiffreni.

Turnix meiffreni, *Vieill. N. Dict. d'Hist. Nat.* xxxv. p. 49 (1818); *Heugl. in Peterm. Mitth.* 1869, p. 413 (Kordofan).

Hemipodius nivosus, *Swains. Phil. Mag.* lx. p. 353 (1822); *id. Zool. Illustr.* iii. pl. 163 (1823); *id. B. W. Afr.* ii. p. 225 (1837).

Hemipodius meiffreni, *Temm. Pl. Col.* v. pl. 60. fig. 1 (1823).

Ortyxelus meiffreni, *Vieill. Gal. Ois.* ii. p. 92, pl. 300 (1834); *Gray, Gen. B.* iii. p. 511 (1847); *Strickl. P. Z. S.* 1850, p. 220 (Kordofan); *Hartl. Orn. W.-Afr.* p. 204 (1857: Senegal); *id. J. f. O.* 1861, p. 267 (Grand Bassam); *Gray, Hand-l. B.* ii. p. 271, no. 9752 (1870); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 912 (1873: Central and Southern Kordofan); *Sharpe, Ibis,* 1892, p. 543 (Turquel).

Ortygis meiffreni, *Jard. Nat. Hist. Game-birds,* p. 189, pl. xxvii. (1834).

Psilocnemis meiffreni, *Gloger, Handb. Nat.* p. 403 (1842).

Torticella meiffreni, *Gloger, Handb. Nat.* p. 403 (1842).

Helortyx meiffreni, *Agassiz, Index Univ.* p. 176 (1846).

Oxytelus meiffreni, *Reichenb. Av. Syst. Nat., Gall.* Taf. 325. figs. 1801–1803 (1852).

Ortyxelus isabellinus, *Heugl. Syst. Uebers.* p. 52 (1856); *id. J. f. O.* 1862, p. 414.

Adult male. General colour above variegated like a Quail or Hemipode, vinous red, vermiculated with black and streaked with white or sandy buff, the feathers being edged with the latter colours, this light edging being accompanied by an internal line of black; wing-coverts white, the inner ones like the back, but with larger markings of white and the other pattern rather more coarsely indicated; primary-coverts and quills blackish, the outer primaries with a sandy-buff spot at the ends, vermiculated with black, and having a white or sandy-buff band across the basal portion of the feathers, increasing towards the outermost or first quill, which is white for two thirds of its length, with a sub-terminal black patch; the inner primaries and secondaries black, with a broad white tip, the innermost being sandy rufous, variegated like the back, but much more coarsely; lower back, rump, and upper tail-coverts more uniform vinous red, with a few dusky cross-bars and concealed white spots, the bars more distinct on the upper tail-coverts; tail-feathers sandy buff, the centre ones distinctly barred across with dusky brown, the remainder vermiculated but not barred, the outermost feather for the most part white, with a wash of sandy buff on the inner web and a dusky line in the centre; head a little browner than the back, less distinctly varied with sandy markings, the centre of the crown streaked with creamy buff, forming a broad longitudinal streak; a broad eyebrow and the sides of the face creamy white, with a brown streak behind the ear-coverts; throat and under surface of body white, washed with creamy buff on the throat and chest; the fore neck and sides of upper breast sandy rufous, vermiculated with dusky blackish and spotted with white like the upper surface of the body; under wing-coverts white; the lower primary-coverts blackish, forming a patch; inner lining of quills isabelline buff, followed by a broad black patch on the primaries, which are tipped with white: "bill horn-yellow; feet and claws pale horn-yellow, the claws of the middle toes marked with blackish" (*von Heuglin*): "feet white; iris light brown" (*F. J. Jackson*). Total length 4·8 inches, culmen 0·45, wing 3, tail 1·25, tarsus 0·65. (*Mus. F. J. Jackson.*)

Hab. West Africa, from the River Gambia to Grand Bassam, re-occurring in North-eastern Africa in Kordofan as far south as Tarquel.

a. b. Ad. ♂.	Senegambia.	Purchased.
c. Ad. ♂.	Senegambia.	E. Wilson, Esq. [P.]

3. PLUVIANUS.

	Type.
Pluvianus, *Vieill. Analyse*, p. 55 (1816)	P. ægyptius.
Cursorius, *Boie, Isis*, 1826, p. 978	P. ægyptius.
Hyas, *Gloger in Froriep's Notizen*, xvi. p. 279 (1827) ..	P. ægyptius.
Ammoptila, *Swainson, Classif. B.* ii. p. 364 (1837)	P. ægyptius.
Cheilodromas, *Rüpp. Mus. Senckenb.* ii. p. 208 (1837) ..	P. ægyptius.

Range. The greater part of West Africa, from the Coanza River to Senegambia and across to N.E. Africa and Egypt, occurring as a straggler in the countries of the Mediterranean.

1. Pluvianus ægyptius.

Charadrius ægyptius, *Linn. Syst. Nat.* i. p. 254 (1766).
Pluvian du Sénégal, *D'Aubenton, Pl. Enl.* ix. pl. 918.
Le Pluvian, *Buff. Hist. Nat. Ois.* viii. p. 104 (1781).
Black-headed Plover, *Lath. Gen. Syn.* iii. pt. 1, p. 217 (1785).
Charadrius melanocephalus, *Gm. Syst. Nat.* i. p. 692 (1788).
Green-headed Plover, *Lath. Gen. Syn., Suppl.* ii. p. 320 (1801).
Charadrius africanus, *Lath. Gen. Syn., Suppl.* ii. p. lxvii (1801).
Pluvianus melanocephalus, *Vieill. N. Dict. d'Hist. Nat.* xxvii. p. 129 (1818); *id. Gal. Ois.* ii. pl. 233 (1825).
Pluvianus chlorocephalus, *Vieill. N. Dict. d'Hist. Nat.* xxvii. p. 130 (1818).
Cursor charadrioides, *Wagl. Syst. Av.* Cursorius, sp. 6, p. 81 (1827).
Ammoptila charadrioides, *Swains. Classif. B.* ii. p. 364 (1837).
Cheilodromas melanocephalus, *Rüpp. Mus. Senckenb.* ii. p. 208 (1837: Egypt and Nubia).
Pluvianus ægyptius, *Strickl. Ann. & Mag. N. H.* vii. p. 37 (1841), xiii. p. 39 (1844); *Gray, Gen. B.* iii. p. 536 (1844); *Rüpp. Syst. Uebers.* p. 117 (1845); *Strickl. P. Z. S.* 1850, p. 221; *Reichenb. Av. Syst. Nat., Gall.* p. xxx, Taf. 374. figs. 2120–2123 (1852); *Bp. C. R.* xliii. p. 419 (1856); *Hartl. Orn. West-Afr.* p. 209 (1857); *Taylor, Ibis*, 1859, p. 52 (Egypt); *Hartl. J. f. O.* 1861, p. 268 (Bissao; Gaboon; Casamanse); *Tristr. Ibis*, 1862, p. 279 (Jordan Valley); *Mont. t. c.* p. 336 (River Coanza); *Adams, Ibis*, 1864, p. 29 (Egypt); *Antin. Cat. descr. Ucc.* p. 99 (1864); *Gould, B. Asia*, vii. pl. 62 (1865); *Degl. et Gerbe, Orn. Eur.* ii. p. 121 (1867: Spain); *Loche, Expl. Sci. Algér., Ois.* ii. p. 276 (1867); *Taylor, Ibis*, 1867, p. 68 (Egypt); *Tristr. Ibis*, 1868, p. 322 (Palestine); *Gray, Hand-l. B.* iii. p. 18, no. 10035 (1871); *Shelley, B. Egypt*, p. 234 (1872); *Dresser, B. Eur.* vii. p. 521, pl. 527 (1878); *Hartl. Abh. nat. Verein. Brem.* vii. p. 120 (1881: Lado); *Salvin, Cat. Strickl. Coll.* p. 600 (1882: Khartoum); *Shelley, Ibis*, 1883, p. 560 (Shonga); *Tristr. Faun. & Flor. Palest.* p. 131 (1884); *Koenig, J. f. O.* 1888, p. 265, 1893, p. 79 (Algeria).
Pluvianus ægyptiacus, *Brehm, J. f. O.* 1853, Extraheft, p. 102; *Heugl. Syst. Uebers.* p. 54 (1856).
Hyas ægyptia, *Cab. J. f. O.* 1854, p. 70.
Hyas ægyptiaca, *Brehm, J. f. O.* 1856, p. 329.
Cursorius ægyptius, *Schl. Mus. Pay-Bas*, Cursores, p. 14 (1865: Nile).
Pluvianus ægypticus, *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 976 (1873: Egypt, south from the Delta to Nubia, rarer on the Blue and White Niles, and Djur River, 8° 25′ 30″).
Hyas ægyptius, *Heine & Reichen. Nomencl. Mus. Hein. Orn.* p. 339 (1890: Kordofan, Senaar).

Adult male. General colour above slaty brown; crown of head, hind neck, and mantle glossy greenish black, the feathers of the mantle elongated and lanceolate, so as to overhang the lower back, concealing a white patch on the upper back; the mantle bordered on its upper part by a broad band of white on each side: wing-coverts like the back, the greater series white with ashy bases; bastard-wing black, the feathers edged externally with slaty grey; primary-coverts black, edged with slaty grey, the inner ones white, with black tips; quills black, the outer primaries ashy at the base, the remainder of the quills white at the base, the primaries tipped with black, preceded by a broad white band, occupying nearly the terminal third of the feather; the secondaries crossed by a broad black band before the white tips, this black band narrowing and almost disappearing on the inner secondary quills; the innermost secondaries slaty blue like the back, with white ends, except on the longer ones, which are entirely slaty blue; tail-feathers slaty blue, with broad white tips, preceded by a band of black on all but the centre feathers; crown of head greenish black, as also the lores, feathers round the eye, and ear-coverts, extending in a black band down the sides of the neck and joining the black mantle; from the base of the bill a broad streak of white, passing over the eye and joining on the sides of the nape, and forming a crest; cheeks and chin white, fading off into pale tawny buff on the lower throat and fore neck; across the chest a band of black, which continues upward and joins the sides of the neck; centre of the breast and abdomen white, extending on the chest and joining the white band which skirts each side of the scapulars; sides of the body, flanks, and under tail-coverts tawny buff, deeper on the latter; under wing-coverts and axillaries white, the quills also for the most part white below, with the black band distinctly indicated across the feathers: "bill black; feet bright leaden grey; iris umber-brown" (*von Heuglin*). Total length 8·3 inches, culmen 0·8, wing 5·4, tail 2·3, tarsus 1·3.

Adult female. Similar to the male, but the long mantle-feathers not so strongly developed. Total length 8·3 inches, wing 5·3, tarsus 1·25.

Hab. The same as that of the genus.

a. ♂ Ad. ak.	Egypt.	L. Cunningham, Esq. [P.].
b. ♂ Ad. ak.	Egypt.	Victor Ames, Esq. [P.].
c ♀ Ad. ak.	Cairo, April 4.	Gould Coll.
d ♀ Ad. ak.	5th Cataract of the Nile.	F. Galton, Esq. [P.].
e ♀ Ad. ak.	Senegal (*D'Emville*).	Riocour Coll.
f ♀ Juv. ak.	Shonga, R. Niger (*W. A. P.*).	Forbes Coll.
g ♀ Ad. ak.	River Congo.	Monteiro Coll.

4. CURSORIUS.

	Type.
Cursorius, *Lath. Ind. Orn.* ii. p. 751 (1790)	C. gallicus.
Tachydromus, *Illig. Prodr.* p. 250 (1811).....	C. gallicus.
Cursor, *Wagler, Syst. Av.* p. 80 (1827).....	C. gallicus.

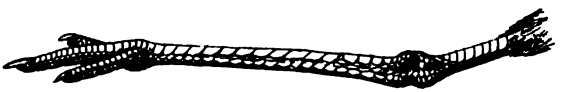


Fig. 5.—Foot of *Cursorius gallicus*.

Fig. 6.—Middle claw of right foot of *C. gallicus* (seen from inner side) to show the pectination (enlarged).

Range. The whole of Africa, the Mediterraneo-Persic Sub-region, and the whole of India and Northern Ceylon.

Key to the Species.

a. No black patch on the belly. Hinder part of crown pale bluish or pearly grey.
  a' Axillaries and under wing-coverts black like the quill-lining ..... *gallicus*, p. 34.
  b'. Axillaries ashy; under wing-coverts also light brown, the least series isabelline like the breast ..... *somalensis*, p. 37.
b. A black patch on the belly.
  c'. Hinder head grey; secondaries with a grey base ..... *rufus*, p. 38.
  d'. Hinder head rufous or chestnut, like the rest of the crown.
    a''. A white band across the upper tail-coverts; secondaries ashy, tipped with white, subterminally marked with black. *coromandelicus*, p. 39.
    b''. No white band across the upper tail-coverts; secondaries ashy brown, externally black, with a small white tip.. *temminckii*, p. 41.

1. Cursorius gallicus.

Le Courvite, *D'Aubent. Pl. Enl.* ix. pl. 795.
Le Coure-vite, *Buff. Hist. Nat. Ois.* viii. p. 128 (1781).
Cream-coloured Courser, *Lath. Gen. Syn.* iii. pt. 1, p. 217 (1785); *Yarr. Brit. B.* ii. p. 376 (1843).
Charadrius gallicus, *Gm. Syst. Nat.* i. p. 692 (1788); *Webb & Berth. Orn. Canar.* p. 31 (1841); *Bolle, J. f. O.* 1855, p. 175; *id. J. f. O.* 1857, p. 335.
Cursorius europæus, *Lath. Ind. Orn.* ii. p. 751 (1790); *Bp. Comp. List B. Eur. & N. Am.* p. 45 (1838); *Schl. Rev. Crit.* p. lxxx (1844); *Yarr. Brit. B.* (2nd ed.) ii. p. 431 (1845); *Macgill. Brit.*

B. iv. p. 42 (1852); *Yarr. Brit. B.* (3rd ed.) ii. p. 460 (1856); *Heugl. Syst. Uebers.* p. 54 (1856); *Adams, Ibis*, 1864, p. 28 (Egypt); *Wright, t. c.* p. 140 (Malta); *Borggr. Vogelf. Norddeutschl.* p. 105 (1869); *R. Gray, B. West Scotl.* p. 250 (1871: near Lanark); *Godm. Ibis*, 1872, p. 220; *Saunders, ed. Yarr. Brit. B.* iii. p. 238 (1883); *Lilford, Ibis*, 1884, p. 124 (Spain); *Radde, Orn. Cauc.* pp. 44, 423 (1884: Black & Caspian Seas).

Charadrius cursor, *Bonn. Enc. Méth.* i. p. 23 (1791).

Cursorius isabellinus, *Meyer, Taschenb.* ii. p. 328 (1810); *Temm. Man. d'Orn.* ii. p. 513 (1820); *Werner, Atlas, Coureurs*, pl. 5 (1827); *Less. Man. d'Orn.* ii. p. 303 (1828); *Brehm, Vög. Deutschl.* p. 536 (1831); *Menétr. Cat. Rais. Cauc.* p. 52 (1832); *Gould, B. Eur.* iv. pl. 208 (1837); *Cresp. Orn. Gard*, p. 346 (1840); *Bogd. B. Cauc.* p. 154 (1879); *Koenig, J. f. O.* 1888, p. 200 (Tunis); *Alexa. J. f. O.* 1892, pp. 316, 317 (Tunis); *Albarda, t. c.* p. 424 (Netherlands).

Tachydromus gallicus, *Illiger, Prodr.* p. 250 (1811); *Roux, Orn. Prov.* pl. 280 (1825); *Licht. Nomencl. Av. Mus. Berol.* p. 94 (1854); *Brehm, Vogelf.* p. 279 (1855); *Heine & Reichen. Nomencl. Mus. Hein. Orn.* p. 339 (1890).

Tachydromus europæus, *Vieill. N. Dict. d'Hist. Nat.* viii. p. 293 (1817).

Cursor isabellinus, *Wagl. Syst. Av.* Cursor, p. 80, sp. 1 (1827); *Nordm. in Demid. Voy. Russ. Mérid.* iii. p. 230 (1840).

Cursor europæus, *Naum. Vog. Deutschl.* vii. p. 77, pl. 171 (1834).

Cursorius gallicus, *Gray, List Gralle Brit. Mus.* p. 60 (1844); *id. Gen. B.* iii. p. 537 (1844); *Reichenb. Av. Syst. Nat., Gall.* p. xxx, pl. 374 figs. 2124 2b (1852); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 442 (1859); *Heuglin, Ibis*, 1859, p. 79, pl. ii. fig. 3 (egg); *Salvin, t. c.* p. 354 (Eastern Atlas); *Tristr. Ibis*, 1860, p. 79 (Sahara); *Gray, List Brit. B.* p. 136 (1863); *Schl. Mus. Pays-Bas*, Cursores, p. 12 (1865: Tripoli); *Heugl. J. f. O.* 1865, p. 99 (resident in Egypt, Nubia, and Kordofan); *Gould, B. Gt. Brit.* iv. pl. 44 (1865); *E. C. Taylor, Ibis*, 1867, p. 67 (Egypt); *Blyth, t. c.* p. 103 (Malta); *Drake, t. c.* p. 429 (Morocco); *Degl. et Gerbe, Orn. Eur.* ii. p. 118 (1867); *Loche, Expl. Sci. Algér., Ois.* ii. p. 274 (1867); *Hume, Ibis*, 1868, p. 239 (Punjab); *Tristr. t. c.* p. 322 (Palestine); *Irotsk, Voy. Eur.* p. 330, Taf. 32. figs. 7, 8 (1870); *Gray, Hand-l. B.* iii. p. 19, no. 10093 (1871); *Harting, Handb. Brit. B.* p. 131 (1872); *Shelley, B. Egypt*, p. 229 (1872); *Heugl. Orn. N.O.-Afr.* i. pt. 1, p. 985 (1873: Arabia Petræa; Coast of Red Sea); *Hume, Str. F.* i. p. 228 (1873: Sind); *Adam, t. c.* p. 383 (Sambhur, winter). *Dresser, B. Eur.* vii. p. 425, pl. 514 (1875); *Irby, Orn. Straits Gibr.* p. 155 (1875); *Gurney, Ibis*, 1875, p. 142 (Tibrem); *Blanf. East Persia*, ii. p. 281 (1876); *Hayes Lloyd, Ibis*, 1876, p. 240 (Kathiawar); *Butler, Str. F.* iv. p. 11 (1876: Guzerat); *id. op. cit.* v. p. 232 (1877: Deesa); *Hume, Str. F.* viii. p. 112 (1879), *Irby, Ibis*, 1879, p. 345 (Malaga); *Butler, Cat. B. Sind &c.* p. 57 (1879); *Gigl. Ibis*, 1881, p. 208 (Italy); *Sel. P. Z. S.* 1881, p. 173 (Socotra); *Salvin, Cat. Strickl. Coll.* p. 593 (1882: Susa, Tunis); *B. O. U. List Brit. B.* p. 156 (1883); *Seebohm, Ibis*, 1883, p. 20 (Caucasus); *Gigl. Arif. Ital.* p. 308 (1886); *Seebohm, Ibis*, 1886, p. 116; *Salvad. Elenco Ucc. Ital.* p. 206 (1887); *Reid, Ibis*, 1888, p. 77 (Teneriffe); *Seebohm, Geogr. Distrib. Charadr.* p. 235 (1888); *Irby, Key List Brit. B.* p. 44 (1889); *Tristr. Cat. Coll.* p. 22 (1889: Yorkshire); *Sharpe, Tr. Linn. Soc., Zool.* v. pt. 3, p. 88 (1889: Gulran); *Meade-Waldo, Ibis*,

1889, pp. 11, 505 (Fuerteventura); *Tristr. t. c.* p. 25 (Gran Canaria); *St. John, t. c.* p. 175 (Pishin Valley); *Seebohm, Ibis*, 1892, p. 21 (Heligoland); *Meade-Waldo, Ibis*, 1893, p. 203 (Canary Is.); *Sharpe, Bull. B. O. C.* iii. p. 5 (1893: Suakin); *Lilford, Col. Fig. Br. B.* part xxviii. (1894).

Cursorius pallidus, *Brehm, Vögelf.* p. 279 (1855).

Cursorius brachydactylus, *Brehm, Vögelf.* p. 279 (1855).

Cursorius jamesoni, "*Jerd.*," *Stoliczka, J. A. S. Beng.* xli. p. 250 (1872: Kutch); *Hume, Str. F.* i. p. 219 (1873).

Cursorius isabellinus, var. bogolubovi, *Zarudn. Bull. Soc. Imp. Nat. Mosc.* (7) lxi. p. 327 (1885: Murgab River).

Adult male. General colour above isabelline-buff; wing-coverts like the back, the greater coverts and inner secondaries a little more sandy rufous; bastard-wing, primary-coverts, and primaries black; the secondaries black, sandy-coloured externally, fringed with white at the ends; tail-feathers sandy rufous, tipped with white, before which is a black sub-terminal band; fore part of crown sandy rufous; the hinder crown and nape bluish grey, concealing a black nape-patch; loral feathers isabelline-white; from above the eye a broad white band joining on the nape, followed by a black band from behind the eye above the ear-coverts to the nape; feathers below the eye whitish; ear-coverts sandy rufous; fore part of cheeks and upper throat white; lower throat and under surface of body sandy isabelline, becoming whiter on the abdomen and under tail-coverts; under wing-coverts, axillaries, and quill-lining black; the lesser wing-coverts round the edge of the wing sandy rufous: "bill dusky black, angle of mouth and base of mandible white; feet livid yellow; iris umber-brown" (*von Heuglin*). Total length 9 inches, culmen 1, wing 6·35, tail 2·35, tarsus 2·25.

Adult female. Similar in colour to the male. Total length 9 inches, culmen 0·95, wing 6·2, tail 2·3, tarsus 2·1.

Young. Reproduces the colours of the adult, but has wavy bands all over the upper surface.

Specimens from Western localities are rather more sandy in colour, and have often less black on the sub-terminal band of the tail.

Hab. Desert countries of the Mediterranean, and the Canary and Cape Verd Islands; eastwards to Arabia, Socotra, Persia, Afghanistan, and N.W. India.

a. Ad. sk.	Sicily.	Seebohm Coll.
b. Ad. sk.	Cape Verd Islands.	M. A. Bouvier [C.].
c, d. Ad.; *e, f.* Pull. st.	Fuerteventura.	E. G. Meade-Waldo, Esq. [P.].
g. Ad. sk.	Algerian Sahara (*J. H. Gurney*).	Hume Coll.
h. Juv. sk.	Tunis.	L. Fraser [C.].
i. Imm. sk.	Tripoli.	Purchased.
k, l. Ad. sk.	Egypt.	Hon. C. Berkeley [P.].
m. Ad. sk.	Egypt, Feb. 4 (*G. E. S.*).	Seebohm Coll.
n. ♂ ad. sk.	Upper Egypt, Dec. (*Stafford Allen*).	Seebohm Coll.
o, p, q. Ad. sk.	Near Cairo, Feb.	Dr. Worthington [P.].
r. Ad. sk.	Suakin, Red Sea.	Capt. R. H. Penton [P.].

s Ad. sk.	Khartoum.	Consul Petherick [P.].
t Ad. sk.	Socotra, Feb. 27.	Prof. I. B. Balfour [C.].
u. Ad. sk.	Near Gundwa, S. Persia, Nov.	Hume Coll.
v. ♂ ad. sk.	Karez, Khorasan, June 8.	Dr. Aitchison [P.].
w ♀ ad. sk.	Gulran, N. Afghanistan.	Dr. Aitchison [P.].
x. ♀ ad. sk.	Chaman, S. Afghanistan, Aug. 4 (*Sir O. St. John*).	Hume Coll.
y. ♂ ad. sk.	Gwadar, Baluchistan, Nov.	W. T. Blanford, Esq. [C.].
z ♂ ad. sk.	Pishin, Aug. 20 (*Sir O. St. John*).	Hume Coll.
a. Ad. sk.	Kathiawar, Feb. 22.	Col. Hayes Lloyd.
b. ♂ ad. sk.	Karachi, Sind (*Dr. H. Gould*).	Gould Coll.
c. ♂ ad. sk.	Near Tatta, Sind, Dec. 3 (*W. T. Blanford*).	Hume Coll.
d Imm. sk.	Dil Murad, N. Sind, Dec. 23 (*A. O. H.*).	Hume Coll.
e ♂ ad. sk.	N. of Jacobabad, Nov. 20 (*Sir O. St. John*).	Hume Coll.
f. Ad. sk.	Punjab, Feb.	Hume Coll.
g. *h*. *i*. Ad. sk.	Sirza district, cold season 1870–71.	Hume Coll.
k. *l*. *m*. ♀ ad. sk.	Sirza district, Nov. (*A. O. H.*).	Hume Coll.
n–*r*. Ad. sk.	Sirza district, Dec.	Hume Coll.
s Ad. sk.	Hissar, Punjab, Dec. 15 (*A. O. H.*).	Hume Coll.
t ♀ ad. sk.	Gurgaon district, Feb. 10.	Hume Coll.
u. *v*. *w*. ♀ ad. sk.	Sultanpur, Gurgaon, Jan., Feb. (*W. N. Chill*).	Hume Coll.
x. *y* ♂ ♀ ad. sk.	Ajmir, Dec. (*A. O. H.*).	Hume Coll.
z. *a*. ♂ ad. sk.	Jodhpur, Feb. (*A. O. H.*).	Hume Coll.
b ♀ ad. sk.	Maidan, near Erinpura, Dec. 29 (*G. King*).	Hume Coll.
c. *d* ♂ ad.; *e* ♀ ad. sk.	Sambhur Lake, Dec. 15 (*A. O. H.*).	Hume Coll.
f ♂ Ad. sk.	Sambhur, Dec. (*A. O. H.*).	Hume Coll.
g ♂ ♀ ad., *h*. ♂ ad. sk.	Sambhur, Dec. to Feb. (*R. M. Adam*).	Hume Coll.
i ♀ ad. sk.	Mukrana, Dec. 14 (*A. O. H.*).	Hume Coll.
y Skeleton.		Purchased.

2. Cursorius somalensis.

Cursorius gallicus somalensis, *Shelley, Ibis*, 1885, p. 415.
Cursorius somalensis, *Seebohm, Ibis*, 1886, p. 116; *id. Geogr. Distr. Charadr* p. 237, pl. vi. (1888).

Adult. Similar to *C. gallicus*, but distinguished by the ashy-grey axillaries, the lighter under wing-coverts, and the much larger patch of black on the inner web of the outer tail-feathers. Total length 7·5 inches, culmen 1, wing 5·25, tail 1·3, tarsus 2·2.

Hab. Somali land.

a Ad. sk.	Somali-land (*E. Lort Phillips*)	Seebohm Coll. (Type of species.)

3. Cursorius rufus.

Cursorius rufus, *Gould, P. Z. S.* 1836, p. 81; *id. Icones Av.* pl. 10 (1837); *Schleg. Mus. Pays-Bas*, Cursores, p. 13 (1865); *Ayres, Ibis*, 1869, p. 299 (Transvaal, breeding); *id. Ibis*, 1871, p. 269 (Transvaal); *id. Ibis*, 1877, p. 347 (Potchefstroom); *id. Ibis*, 1880, p. 111 (Rustenberg); *Sharpe, ed. Layard's B. S. Afr.* p. 653 (1884); *Ayres, Ibis*, 1885, p. 347 (Transvaal, June to Sept.; breeding); *Seebohm, Ibis*, 1886, p. 117; *id. Geogr. Distr. Charadr.* p. 238 (1888); *Symonds, Ibis*, 1888, p. 334 (Kroonstadt).

Tachydromus capensis, *Swains. B. W. Afr.* ii. p. 201 (1837).

Tachydromus burchelli, *Swains. Classif. B.* ii. p. 364 (1837); *id. An. in Menag.* p. 340 (1837).

Cursorius burchelli, *Gray, Gen. B.* iii. p. 537 (1844); *Layard, B. S. Afr.* p. 289 (1867: Karoo; Nel's Poort; Beaufort; Colesberg); *Gray, Hand-l. B.* iii. p. 19, no. 10037 (1871); *Holub & Pelz. Beitr. Orn. Südafr.* p. 246 (1882: High plateau of S. Africa to Orange River and Vaal River); *Butler, Feilden, & Reid, Zool.* 1882, p. 340 (Natal).

Tachydromus rufus, *Heine & Reichen. Nomencl. Mus. Hein. Orn.* p. 339 (1890: S. Africa).

Adult male. General colour above rufous-brown, the wings like the back, with a slight shade of ashy over the wing-coverts, the greater series decidedly more ashy; bastard-wing, primary-coverts, and primaries black; the secondaries ashy with broad white ends, forming a broad terminal band; the white increasing on the inner web of the inner secondaries, which are somewhat rufescent externally: the innermost secondaries rufous-brown like the scapulars; rump, upper tail-coverts, and tail-feathers ashy grey, the latter tipped with a black band, which becomes sub-terminal on the outer feathers, which have white ends; the outermost feather almost entirely white, with a grey base and a sub-terminal spot near the end of the inner web; forehead cinnamon-rufous, as well as the fore part of the crown; centre and hinder crown bluish grey, with a black patch on the nape, surrounded by a broad band of white, which extends to the hinder part of the eye; lores and feathers below the eye whitish with a rufescent tinge; cheeks and ear-coverts cinnamon-rufous, separated from the white eyebrow by a line of black; throat white; remainder of under surface of body rufous-drab, paler on the chest; a black patch on the lower breast; abdomen, thighs, and under tail-coverts white; axillaries ashy brown, white at the ends; under wing-coverts black, the inner ones rufous-brown; the long inner greater coverts white for their terminal half: "bill dusky, the lower mandible pale at the base; tarsi and feet white; iris very dark hazel" (*T. Ayres*). Total length 7·5 inches, culmen 1, wing 5·25, tail 1·8, tarsus 1·85.

Adult female. Similar to the male in colour. Total length 9 inches, culmen 1, wing 5·4, tail 2·15, tarsus 1·9.

Hab. South Africa, below the Orange River on the west, but ranging as high as Matabele-land on the east.

a, b. Ad. et juv. sk.	Cape Colony (*Layard*; *Anderson*).	Seebohm Coll.	

c. ♀ ad. sk.	Hope Town, May (*T.C. Atmore*).	Sharpe Coll.
d, e. Ad. sk.	Kingwilliamstown, S.E. Africa.	Major Trevelyan [P.].
f, g, h. ♀ ad. sk.	Kingwilliamstown, May (*C. Newby*).	Major Trevelyan [P.].
i. ♂ ad. sk.	Kuruman.	Seebohm Coll.
k, l. Ad. sk.	Natal.	Tweeddale Coll.
m. Ad. sk.	Natal (*T. Ayres*).	Salvin-Godman Coll.
n. ♂ ad.; *o, p.* ♀ ad. sk.	Orange Free State, June 12 (*T. E. Buckley*).	Shelley Coll.
q. Ad. sk.	Transvaal.	Sharpe Coll.
r. Ad. sk.	Potchefstroom, Nov. 18 (*T. Ayres*).	Gurney Coll.
s. ♂ ad. sk.	Rustenberg, July 14 (*T. Ayres*).	Gurney Coll.
t. Ad. sk.	Makalaka Country (*Dr. Bradshaw*).	Seebohm Coll.

4. Cursorius coromandelicus.

Courvite de la Côte de Coromandel, *D'Aubent. Pl. Enl.* ix. pl. 892.
Coromandel Plover, *Lath. Gen. Syn.* iii. pt. 1, p. 217 (1785).
Charadrius coromandelicus, *Gm. Syst. Nat.* i. p. 692 (1788).
Cursorius asiaticus, *Lath. Ind. Orn.* ii. p. 751 (1790); *Less. Man. d'Orn.* ii. p 302 (1828).
Tachydromus coromandelicus, *Illiger, Prodr.* p. 250 (1811); *Heine & Reichen. Nomencl. Mus. Hein. Orn.* p. 339 (1890).
Cursor frenatus, *Wagl. Syst. Av.* p. 80, sp. 2 (1827).
Tachydromus asiaticus, *Virill. Gal. Ois.* ii. p. 90, pl. 232 (1830).
Tachydromus orientalis, *Swains. An. in Menag.* p. 339 (1837).
Cursorius taravensis, *Hodgs. Icon. ined. in Brit. Mus., Gralla*, pls. 44, 44 *a* (no. 574); *id. in Gray's Zool. Misc.* p. 85 (1844).
Cursorius coromandelicus, *Gray, Gen. B.* iii. p. 537 (1844); *id. List Grallæ in Brit. Mus.* p. 60 (1844: Nepal); *id. Cat. Mamm. etc. Nepal pres. Hodgs.* p. 131 (1846); *Reichenb. Av. Syst. Nat., Gall.* Taf. 374. fig. 2128 (1852); *Irby, Ibis*, 1861, p. 237 (Oudh); *Schl. Mus. Pays-Bas*, Cursores, p. 13 (1865); *Gould, B. Asia*, vii pl. 65 (1868); *Blyth, Ibis*, 1867, p. 163; *Hume, Ibis*, 1868, p. 230 (Sirsa, Ferozepur); *Beavan, t. c.* p. 388 (Umbala); *Gray, Hand-l. B.* iii. p. 19, no. 10039 (1871); *Stoliczka, J. A. S. Beng.* xl. p. 250 (1871: Kutch); *Hayes Lloyd, Ibis*, 1873, p. 415 (Kathiawar); *Hume, Neats & Eggs Ind. B.* p. 564 (1873); *Adam, Str. F.* i. p. 333 (1873: Sambhur); *Hume, t. c.* p. 421 (Sindh); *Beid, Str. F.* ii. p. 429 (1874: Chota Nagpur); *Parker, Str. F.* iii. p. 26 (1875: Muddapur); *Butler, Str. F.* iv. p. 10 (1876; Gujerat, migrant); *Fairb. t. c.* p. 202 (Khandala); *Butler, Str. F.* v. p. 232 (1877: Deesa, Sept. to April); *Blanf. t. c.* p. 247 (Sind); *Butler, t. c.* p. 327 (Karachi); *Ball, t. c.* p. 410 (Sumbalpur, Raipur, Orissa); *Hume, Str. F.* vii. p. 67 (1878: Jodhpur); *Davidson & Wenden, t. c.* p. 87 (Deccan); *Ball, t. c.* p. 226 (Ganges to Godavery); *Hume, Str. F.* viii. p. 111 (1879); *Doig, t. c.* p. 371 (E. Narra: breeding in July); *Legge, B. Ceylon*, iii. p. 977 (1880); *Butler, Cat. B. Sind etc.* p. 56 (1879); *id. Cat. B. S. Bomb. Pres.* p. 71 (1880); *Vidal, Str. F.* ix. p. 77 (1880: S. Konkan); *Reid, Str. F.* x. p. 64 (1881: Lucknow); *Davison, t. c.* p. 412 (1883: S.W. Mysore); *Swinh. & Barnes, Ibis*, 1885, p. 132 (Mhow); *McGregor, Str. F.* x. p. 441 (1887: E. of Belgaum); *Seebohm, Geogr. Distrib. Charadr.* p. 241 (1888).

Adult male. General colour above cindery grey with a faint sandy wash; wing-coverts and inner secondaries like the back; bastard-wing, primary-coverts, and quills purplish black; secondaries not so black, broadly tipped with white, and more greyish brown on the inner web; upper tail-coverts white; tail-feathers ashy-grey, tipped with white, before which is a sub-terminal black band, indistinct on the central feathers and only visible to a slight degree on the outer feather, where there is black on the inner web only, the outer one being pure white; crown of head bright chestnut, concealing a large occipital patch of black; a loral band of black reaching to the fore part of the eye; a superciliary band of silvery white, encircling the nape and followed by a band of black, which extends from behind the eye round the nape; feathers below the eye white; cheeks and throat whitish washed with rufous, deepening into cinnamon on the lower throat and chest, and becoming deep chestnut on the breast, the chestnut patch followed by a large abdominal patch of black; lower abdomen, vent, and under tail-coverts white; sides of body and flanks, as well as the inner under wing-coverts and axillaries, ashy brown; under wing-coverts and under surface of primaries black: "bill blackish, the gape and base of lower mandible yellowish; feet yellowish white or whitish, the joints dark; claws black; iris dark brown" (*W. V. Legge*). Total length 8·8 inches, culmen 0·85, wing 5·8, tail 2·1, tarsus 2·1.

Adult female. Similar to the male in colour. Total length 9·8 inches, culmen 0·9, wing 6·1, tail 2·1, tarsus 2·1.

Young. Differs from the adults in being mottled all over with brown and yellowish buff as well as being centred with fulvous; the secondaries and end of the tail varied in the same manner; head like the back; the white eyebrow indistinct and washed with sandy buff; the facial markings visible but indistinct; the throat sandy white; the fore neck and breast pale cinnamon, freckled with sub-terminal spots and bars of brown; lower surface of wing as in the adults, but the axillaries lighter and more ashy brown.

Hab. Indian Peninsula and Ceylon.

a. ♂ ad. sk.	Ghiznee, Sind (*Dr. H. Gould*).	Gould Coll.
b. Ad. sk.	Bare plains near Johee, Sind, Dec. 25 (*A. O. H.*).	Hume Coll.
c. Ad. sk.	Mooltan (*Major Tweedie*).	Gould Coll.
d. Ad. sk.	Deesa.	Colonel E. A. Butler [C.].
e. ♂ ad. sk.	Deesa, Nov. 21 (*E. A. Butler*).	Hume Coll.
f. ♂ ad.; *g, h.* ♀ ad. sk.	Sambhur Lake, Dec. (*A. O. H.*).	Hume Coll.
i, k, l. ♂ ad. sk.	Sambhur Lake, April, May, Aug. (*R. M. Adam*).	Hume Coll.
m. ♂ ad. sk.	Jodhpur, Feb. 6 (*A. O. H.*).	Hume Coll.
n, o, p. ♂ ♀ ad. sk.	Gurgaon district, Jan., Feb. (*A. O. H.*).	Hume Coll.
q, r, s. ♂ ad.; *t, u.* ♀ ad. sk.	Gurgaon, Jan., June, Aug., Oct. (*W. N. Chill*).	Hume Coll.

[illegible]	Ad. sk.	Sirza district, cold season 1870–71.	Hume Coll.
[illegible]	Ad.; [illegible] Pull. sk.	Sirza, Nov., Dec., March.	Hume Coll.
[illegible]	Ad. sk.	Hissar, Oct. 8.	Hume Coll.
[illegible]	Ad. sk.	Ferozepur (*W. Griffith*).	India Museum.
[illegible]	♂ ♀ ad. sk.	Umbala, Nov. (*R. C. Beavan*).	Tweeddale Coll.
[illegible]	♂ ♀ ad. sk.	Muttra, Jan. 19 (*A. O. H.*).	Hume Coll.
[illegible]	Ad. sk.	Kumaun Terai, March.	Col. Biddulph.
[illegible]	Ad. sk.	Etawah, Dec., March (*A. O. H.*).	Hume Coll.
[illegible]	Ad. sk.	Oude.	Hume Coll.
[illegible]	Ad. sk.	Behar.	Hodgson Coll.
[illegible]	Ad. sk.	Nepal Terai.	Hodgson Coll. (Type of *C. tarayensis*.)
[illegible]	ad. sk.	Mainpuri, March 7 (*A. Anderson*).	Hume Coll.
[illegible]	ad.; ad. sk.	Muddapur, Jan. (*W. E. Brooks*).	Hume Coll.
[illegible]	Ad. sk.	Gwalior (*S. Pinwill*).	Tweeddale Coll.
	Ad. sk.	Saugor (*Hooper*).	India Museum.
[illegible]	Ad. sk.	Saugor.	Hume Coll.
[illegible]	Ad. sk.	Mundla district, April (*R. Thompson*).	Hume Coll.
[illegible]	ad. sk.	Mhow, Nov. 28.	Col. Swinhoe (P.).
[illegible]	ad. sk.	Khandeish, July 28 (*J. Davidson*).	Hume Coll.
[illegible]	Ad. sk.	Deccan (*Col. Sykes*).	India Museum.
[illegible]	♂ ♀ ad. sk.	N. of Ahmednuggur, Jan. (*S. B. Fairbank*).	Tweeddale Coll.
[illegible]	ad.; [illegible] ad. sk.	Ahmednuggur, Dec. (*S. B. Fairbank*).	Tweeddale Coll.
[illegible]	ad. sk.	Belgaum, Jan. 25 (*E. A. Butler*).	Hume Coll.
[illegible]	Ad. sk.	Madras (*R. G. W. R.*).	Tweeddale Coll.
[illegible]	ad.	Madras.	Hume Coll.
[illegible]	Ad. sk.	Mysore (*R. G. W. R.*).	Tweeddale Coll.
[illegible]	Ad. sk.	Jaffna, N. Ceylon (*A. Whyte*).	Tweeddale Coll.

5. Cursorius temmincki.

[illegible]rsorius temmincki, *Swains. Zool. Illustr.* ii. pl. 106 (1822); *Less. Man. d'Orn.* ii. p. 303 (1828).

Lachydromus senegalensis, *Licht. Verz. Doubl.* p. 72 (1823); *Heine & Reichen. Nomencl. Mus. Hein. Orn.* p. 330 (1890: Gaboon).

[illegible]rsor temmincki, *Wagl. Syst. Av.* Cursor, p. 80, sp. 3 (1827).

[illegible]rsorius senegalensis, *Swains. B. W. Afr.* ii. pl. 24 (1837); *Gray, List Gralla in Brit. Mus.* p. 60 (1844: Gambia); *id. Gen. B.* iii. p. 587 (1844); *Rupp. Syst. Uebers.* p. 117 (1845); *Reichenb. Av. Syst. Nat., Grall.* Taf. 375. figs. 2120–30 (1852); *Heugl. Syst. Uebers.* p. 54 (1856: E. Senaar); *Hartl. Orn. W.-Afr.* p. 200 (1857: Senegambia; Ashantee; Sierra Leone); *Mont. Ibis*, 1865, p. 335 (Gambambe); *Heugl. J. f. O.* 1865, p. 90 (E. Kordofan; Senaar, C. Abyssinia to 6000 feet); *Schl. Mus. Pays-Bas, Cursores*, p. 13 (1865: Gold Coast; Senegal); *Hartl. P. Z. S.* 1866, p. 61; *Layard, B. S. Afr.* p. 290 (1867); *id. Ibis*, 1869, p. 375 (Daggaboer's Nek, Eastern Cape Colony); *Sharpe, P. Z. S.* 1870, p. 570; *Gray, Hand-l. B.* iii. p. 19, no. 10038 (1871);

Ayres, Ibis, 1871, p. 433 (Transvaal); *Gurney in Anderss. B. Dam. Ld.* p. 261 (1892: Ondonga); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 968 (1873: Tana Lake, April, May; E. Kordofan, Oct.); *Bocage, Orn. Angola*, p. 419 (1881; Novo Redondo; Quillengues; Caconda; Gambos; Humbe; Capangombe; Bongo); *Shelley, P. Z. S.* 1881, p. 598 (Melinda); *Holub & Pelz. Beitr. Orn. Südafr.* p. 246 (1882: Orange Free State; S. Transvaal; Betchuanaland to Zambesi); *Butler, Feilden, & Reid, Zool.* 1882, p. 341; *Salvad. Ann. Mus. Genov.* (2) i. p. 216 (1884: Shoa); *Sharpe, ed. Layard's B. S. Afr.* p. 654 (1881: general throughout Cape Colony); *Böhm, J. f. O.* 1885, p. 51 (Gonda); *Fischer, t. c.* p. 115 (Lindi); *Matschie, J. f. O.* 1887, p. 138; *Seebohm, Geogr. Distr. Charad.* p. 239 (1888); *Büttik. Notes Leyden Mus.* x. p. 243 (1888: Katinga); *Shelley, Ibis*, 1888, p. 305 (Lamu); *Emin, J. f. O.* 1891, p. 58 (Usagara; not on coast); *Reichen. t. c.* p. 141 (Ugogo; Mpapwa; Tabora in Uniamembe).

Cursorius capensis (*nec Swains.*), *Gray, List Gralle in Brit. Mus.* p. 61 (1844: S. Africa).

Cursorius burchelli (*nec Swains.*), *Gurney, Ibis*, 1860, p. 217 (Natal), 1869, p. 299.

Adult. Similar to *C. coromandelicus*, and having the same chestnut head and black and white facial markings; no white bar across the upper tail-coverts; a large black patch on the upper abdomen: "bill dusky, under mandible pale; shanks, tarsi, and feet white; iris dusky" (*T. Ayres*). Total length 6·6 inches, culmen 0·9, wing 4·8, tail 1·7, tarsus 1·5.

Hab. The greater part of Tropical Africa in suitable localities.

a. Ad. sk.	River Gambia.	Governor Rendall [C.].
b. Ad. sk.	Bathurst (*Quin*).	Seebohm Coll.
c. Ad. sk.	Bissao.	Seebohm Coll.
d. Ad. sk.	Accra, April (*Smith*).	Seebohm Coll.
e, f. Ad. et imm. sk.	Cambambe, Angola.	Monteiro Coll.
g. Ad. sk.	Loanda, May (*J. J. Monteiro*).	Sharpe Coll.
h. ♂ ad. sk.	Ondonga, Ovampo-land, Nov. 22, (*C. J. Andersson*).	Seebohm Coll.
i. Imm. sk.	South Africa.	Gould Coll.
k. Ad. sk.	South Africa.	Sir A. Smith [C.].
l. Ad. st.	South Africa.	Sir A. Smith [C.].
m, n. ♂ ♀ ad. sk.	Kingwilliamstown, May 7 (*C. Newby*).	Major Trevelyan [C.].
o, p. ♂ ad. sk.	Colenso, Natal, Nov. 21.	Capt. Savile Reid [C.].
q. ♀ ad. sk.	Macamac, Transvaal, July 24 (*T. Ayres*).	Gurney Coll.
r. ♀ ad. sk.	Transvaal (*T. Ayres*).	Sharpe Coll.
s. Ad. sk.	Lamu, E. Africa, Jan. 10.	F. J. Jackson, Esq. [P.].
t. Ad. sk.	Melinda (*Sir J. Kirk*).	Seebohm Coll.

5. RHINOPTILUS.

	Type.
Rhinoptilus, *Strickl. P. Z. S.* 1850, p. 220	R. chalcopterus.
Macrotarsius (*nec Lacép.*), *Blyth, J. A. S. Beng.* xvii. pt. 1, p. 254 (1848)	R. bitorquatus.
Chalcopterus, *Reichenb. Nat. Syst. Vög.* p. xxx (1852)	R. chalcopterus.
Hemerodromus, *Hengl. Ibis*, 1863, p. 131	R. cinctus.

Range. The whole of Africa; Central India.

Key to the Species.

a Primaries not crossed with a white band before the tips; no white on outer end of first primary.
  a'. With two bands across the fore neck.
    a''. Inner primaries and secondaries for the most part chestnut; both upper and lower bands on fore neck black.
      a'''. Under surface of body sandy buff, including the under wing-coverts and axillaries: size larger, tarsus 2·2·3; wing over 6 inches ..... *bicinctus*, p. 43.
      b'''. Size smaller, wing not exceeding 5 inches; tarsus not exceeding 2 inches. } *bisignatus*, p. 45. *hartingi*, p. 46.
    b''. Inner primaries and secondaries brown like the rest of the quills, narrowly edged with buff or white; upper band on fore neck black, lower one chestnut.
      c'''. Penultimate tail-feather with broad bars of black and white on the outer web ..... *cinctus*, p. 46.
      d''' Outer web of penultimate tail-feather uniform brown..... *seebohmi*, p. 47.
  b' With one black band across the fore neck; quills tipped with metallic purple.
    c'' Tail-feathers tipped with white; no white bands across the ends of the major coverts ..... *chalcopterus*, p. 48.
    d'' Tail-feathers not tipped with white; a distinct white band across the wing, formed by the white tips to the major coverts ..... *albofasciatus*, p. 49.
b Primaries with a white band; first primary externally white ..... *bitorquatus*, p. 50.

1. Rhinoptilus bicinctus.

Cursorius africanus, *Temm. Cat. Syst. Cab. Orn.* pp. 175, 263 (1807).

Tachydromus collaris, *Vieill. N. Dict. d'Hist. Nat.* viii. p. 293 (1817).

Cursorius bicinctus, *Temm. Man. d'Orn.* ii. p. 515 (1820); *Jard. & Selby, Ill. Orn.* i. pl. 48 (c. 1839); *Gray, List Grall. Brit. Mus.* p. 61 (1844); *id. Gen. B.* iii. p. 537 (1844); *Schl. Mus. Pays-Bas*, Cursores, p. 11 (1863: S. Africa); *Hartl. P. Z. S.* 1866, p. 61 (Damara-land): *Layard, B. S. Afr.* p. 290 (1867); *id. Ibis*, 1869, p. 76 (Nieuw Veldt); *Gray, Hand-l. B.* iii. p. 19, no. 10040 (1871); *Ayres, Ibis*, 1871, p. 263 (Transvaal); *Gurney in Anderss. B. Dam. Ld.* p. 261 (1872: Gt. Namaqua; Damara-land); *Heugl. Orn. N.O.-Afr.* ii. Abth. i. p. 975 (1873); *Barratt, Ibis*, 1876, p. 212 (Orange Free State); *Ayres, Ibis*, 1877, p. 347 (Potchefstroom, breeding); *id. Ibis*, 1880, p. 266; *Holub & Pelz. Beitr. Orn. Südafr.* p. 247 (1882: Orange River; Molapo); *Sharpe, ed. Layard's B. S. Afr.* p. 654 (1884: Hope Town; Grahamstown; Free State; Cape Colony); *Symonds, Ibis*, 1887, p. 334 (Kroonstadt); *Seebohm, Geogr. Distrib. Charadr.* p. 242 (1888).

Cursorius grallator, *Leadb. Trans. Linn. Soc.* n. s. xvi. p. 92 (1825).

Cursor bicinctus, *Wagl. Syst. Av.* Cursor, p. 80, sp. 4 (1827).

Tachydromus bicinctus, *Swains. B. W. Afr.* ii. p. 231 (1837); *Reichenb. Av. Syst. Nat., Gall.* p. xxx, Taf. 375. nos. 2133–34 (1852); *Licht. Nomencl. Av. Mus. Berol.* p. 94 (1854).

Rhinoptilus bicinctus, *Shelley, Ibis*, 1882, p. 363 (Siklogolo River; Hart River); *Heine & Reichen. Nomencl. Mus. Hein. Orn.* p. 339 (1890: Cape).

Cursorius bicinctus bisignatus (*nec Hartl.*), *Seebohm, Ibis*, 1886, p. 118; *id. Geogr. Distr. Charadr.* p. 243 (1888).

Adult male. General colour above sandy buff, mottled; the feathers of the upper surface brown, edged with sandy buff, before which is a sub-terminal bar of black; wing-coverts like the back, but the sub-terminal black bars rather broader; bastard-wing black, the outer feathers edged with sandy rufous; primary-coverts and outer primaries black, with a shade of rufous on the inner web; the inner primaries and secondaries cinnamon-rufous, with narrow whitish tips, before which is a broken vermiculation of narrow blackish bands, which is more distinct on the outer web of the inner secondaries, which have more brownish shading on the inner webs; the innermost secondaries brown, with sandy-coloured margins, rufescent towards the ends, which are sandy-coloured and separated from the sub-terminal rufous shade by a zigzag line of black, which extends along the outer web, forming a sub-terminal line of black; feathers of the lower back and rump brown, edged with sandy rufous, before which is a sub-terminal bar of black; upper tail-coverts white; tail-feathers blackish, rufescent towards the ends, with brown bars and white notches or bands; the two outer tail-feathers white, with a slight rufous shade near the ends, and with a brown bar, the penultimate feather mottled with brown on the inner web; crown of head like the back, and squamated in the same way, but more minutely; lores and a broad eyebrow sandy buff; sides of face and throat sandy buff, narrowly streaked with blackish; across the fore neck a narrow black band, extending on each side to the sides of the neck, followed by a broad band of sandy buff on the lower fore neck, which is followed by a second band of

black on the chest; remainder of under surface of body sandy buff, paler and more isabelline on the abdomen; under wing-coverts and axillaries blackish, broadly tipped with sandy buff, the greater coverts blackish, tipped with white; axillaries like the breast; quills below resembling the upper surface: "bill black; tarsi and toes white; iris dark hazel" (*T. Ayres*). Total length 8 inches, culmen 0·6, wing 6·1, tail 2·35, tarsus 2·6.

Adult female. Similar to the male in colour. Total length 8 inches, culmen 0·65, wing 6·15, tail 2·45, tarsus 1·95.

The specimens from Great Namaqua-land in the Seebohm collection are paler and more sandy-coloured than those from the south-eastern part of Africa. The example from Ondonga mentioned by Mr. Seebohm (Geogr. Distr. Charadr. p. 243) is still paler, but the light colour is evidently due to bleaching in a desert land, for the new feathers which the bird is acquiring are not much paler than the ordinary rufous form of the species. Mr. Seebohm has called this western form *Cursorius bicinctus bisignatus*, but as the tarsus measures 2·05–2·15 inches, it cannot be of this race (*vide infra*). A freshly moulted specimen from Namaqua-land (June) can scarcely be distinguished from the eastern specimens, and therefore I cannot regard the Namaqua and Damara birds as constituting more than a pale race, which, moreover, it is not necessary to name. The wing in the series of *R. bicinctus* varies from 5·7 to 6·15 inches, and it will thus be seen that it is always a larger bird than *R. bisignatus*.

Hab. South Africa, from the Cape Colony to Mashona, and to Damara-land and Ovampo on the west.

[illegible] ♂ ad. sk.	Beaufort, Karoo, S. Africa (*E. L. Layard*).	Seebohm Coll.
[illegible] ♂ ad. sk.	S. Africa.	Sir A. Smith [C.].
[illegible] ♂ ad. sk.	Hope Town, Griqualand, May (*T. C. Atmore*).	R. B. Sharpe, Esq. [P.].
[illegible] Ad. sk.	Sandy River, Orange Free State.	F. A. Barratt, Esq. [P.].
[illegible] ad. sk.	Transvaal (*T. Ayres*).	Gurney Coll.
[illegible] ad. sk.	Hountop River, Great Namaqua-land, June 3 (*C. J. Anderson*).	Tweeddale Coll.
[illegible] Ad. sk.	Great Namaqua-land (*C. J. A.*).	Seebohm Coll.
[illegible] ad. sk.	Otjimbinque, Damara-land, Feb. 15 (*C. J. A.*).	Seebohm Coll.

2. **Rhinoptilus bisignatus.** (Plate I.)

Cursorius bisignatus, *Hartl. P. Z. S.* 1865, p. 87 (Benguela); *Gray, Hand-l. B.* iii. p. 19, no. 10042 (1871); *Bocage, Orn. Angola*, p. 122 (1881); *Sharpe, ed. Layard's B. S. Afr.* p. 655 (1884).

Cursorius gracilis, *Fischer & Reichen. J. f. O.* 1884, p. 178 (Masai-land), *Fischer, Zeitschr. ges. Orn.* i. p. 390 (1884: Little Aruscha; Longo Ngai; Paré; Rongo River); *id. J. f. O.* 1885, p. 115;

Reichen. J. f. O. 1887, p. 46 (Magala); *Emin, J. f. O.* 1891, p. 58; *Reichen. J. f. O.* 1891, p. 141 (Ugogo).
Cursorius bicinctus gracilis, *Seebohm, Ibis*, 1886, p. 118; *id. Geogr. Distr. Charadr.* p. 244 (1888).
Cursorius bicinctus (*nec Temm.*), *Emin, J. f. O.* 1891, p. 337 (Usongo Steppes).
Rhinoptilus gracilis, *Sharpe, Bull. B. O. C.* iii. p. xiv (1893).
Rhinoptilus bisignatus, *Sharpe, t. c.* p. xiv (1893).

Adult (type of species). Similar to *R. bicinctus*, but much smaller; the edges of the feathers of the upper surface whitish or pale sandy rufous; tail-feathers tipped with white; outer feathers pure white; under surface and under wing-coverts and axillaries white: "bill brownish black; feet white; iris brown" (*G. A. Fischer*). Total length 7·2 inches, culmen 0·55, wing 5·3, tail 2·15, tarsus 1·9.

Two female specimens from Eastern Africa have the wing 5·05–5·15 inches, and the tarsus 1·8–1·85 inch.

Hab. Masai-land and Ugogo in Eastern Africa, ranging into Benguela in South-western Africa.

a. Ad. sk.	Benguela.	Monteiro Coll. (Type of species.)
b. ♀ ad. sk.	Magala, Ussuk country, Nov. 4, (*Dr. Fischer*).	Seebohm Coll.
c. ♀ ad. sk.	Muhalala, Ugogo, July 11 (*Emin Pasha*).	Berlin Museum [P.].

3. Rhinoptilus hartingi. (Plate II.)

Rhinoptilus gracilis (*nec Cab.*), *Shelley, Ibis*, 1885, p. 416 (Somali).
Cursorius bicinctus gracilis, *Seebohm, Geogr. Distr. Charadr.* p. 244 (1888, pt.).
Rhinoptilus hartingi, *Sharpe, Bull. B. O. C.* iii. p. xiv (1893).

Adult. Similar to *R. bisignatus*, and of the same small size, but the tint entirely cinnamon-rufous, with a strong tinge of isabelline on the abdomen; the lower black chest-band narrower. Total length 6·8 inches, culmen 0·5, wing 5·1, tail 1·7, tarsus 1·8.

There are three specimens of this very distinct form in the Seebohm collection. All have the tarsus 1·8 inch, and the wings vary from 4·9–5·6 inches.

Hab. Somali-land.

a–c. Ad. sk.	Somali-land (*E. Lort Phillips*).	Seebohm Coll. (Types of species.)

4. Rhinoptilus cinctus. (Plate III. fig. 2.)

Cursorius cinctus, *Heugl. Syst. Uebers.* p. 54 (1856: descr. nullâ); *id. Orn. N.O.-Afr.* iii. pt. 1, p. 792 (1873); *Gray, Hand-l. B.* iii. p. 19, no. 10043 (1871); *Fischer & Reichen. J. f. O.* 1879, p. 337 (Massa); *Fischer, Zeitschr. ges. Orn.* i. p. 390 (1884: Paré; Ngaruka; Nguruman); *id. J. f. O.* 1885, p. 115 (Masai); *Seeb. Ibis*, 1886, p. 118 (pt.); *Reichen. J. f. O.* 1887, p. 46 (Masai Steppes); *Seeb. Geogr. Distr. Charadr.* p. 245 (1888, pt.); *Shelley, P. Z. S.* 1889, p. 371 (Useri River).

Hemerodromus cinctus, *Heugl. Ibis*, 1863, p. 31, pl. i. (Gondokoro: descr. princeps); *id. J. f. O.* 1865, p. 99 (Belenia Mts.); *Finsch & Hartl. Vog. Ost-Afr.* p. 630, note (1870).
Hemerodromus (Cursorius) cinctus, *Heugl. J. f. O.* 1863, p. 25 (Gondokoro).
Cursorius bicinctus, pt., *Schl. Mus. Pays-Bas*, Cursores, p. 11 (1855).
Rhinoptilus cinctus, *Shelley, Ibis*, 1885, p. 416 (hills near Berbera); *Sharpe, Bull. B. O. C.* iii. p. xiv (1893).
Cursorius bicinctus (*nec Temm.*), *Salvad. Ann. Mus. Gen.* (2) i. p. 273 (1884: Somali Desert).

Adult. Similar to *R. seebohmi* (fully described below *), but differing in the band of bright chestnut, which extends from the hinder ear-coverts down the sides of the neck to the fore neck; the outside tail-feather is regularly chequered with broad black bars along the outer web. Total length 9 inches, culmen 0·8, wing 6, tail 3·1, tarsus 2·5.

Hab. Upper White Nile to Somali-land and Masai-land.

a	Ad. sk.	Near Berbera, Somali-land (*E. Lort Phillips*).	Seebohm Coll.
b	♂ ad. sk.	Useri River, Kilimanjaro.	H. C. V. Hunter, Esq. [P.].

5. **Rhinoptilus seebohmi.** (Plate III. fig. 1.)

Cursorius cinctus (*nec Heugl.*), *Gurney in Anders. B. Dam.-Ld.* p. 283 (1872: Ondonga); *Bocage, Orn. Angola*, p. 421 (Humbe); *Sharpe, ed. Layard's B. S. Afr.* p. 656 (1884); *Seeb. Ibis*, 1886, p. 118 (pt.); *id. Geogr. Distr. Charadr.* p. 245 (pt.), pl. xii. (1888).
Rhinoptilus seebohmi, *Sharpe, Bull. B. O. C.* iii. p. xiii (1893).

Adult female. General colour above pale sandy rufous, the feathers broadly centred with dusky blackish; scapulars like the back, with whitish margins; lower back and rump uniform ashy brown, slightly washed with sandy rufous; upper tail-coverts white, forming a broad band; wing-coverts brown, with sandy-rufous edges, the median and greater coverts broadly margined with white; bastard-wing blackish, with broad white tips to the feathers; primary-coverts and quills dark brown, narrowly fringed at the end with white, the inner secondaries with sandy buff like the back; tail-feathers ashy brown, broadly tipped with white, before which is a distinct sub-terminal bar of black, the outer feather white, with a few spots of brown towards the end of the inner web; crown of head pale sandy rufous, streaked with blackish centres to the feathers, on the nape a concealed blackish patch; hind neck like the back, but rather lighter; base of forehead whitish; lores and a broad eyebrow white, uniting on the nape; feathers round eye also white; ear-coverts pale sandy buff; a few blackish spots near the gape; cheeks, throat, and under surface of body pure white; sides

* I have given a full description of *R. seebohmi*, as the specimen is in better condition than either of those of *R. cinctus*.

of neck sandy buff like the hind neck; on the lower throat a blackish collar, slightly tinged with rufous, extending from the ear-coverts on each side, and forming a complete band, which is rather more rufous in the centre: this collar is followed by a broad white collar, extending on each side to the hinder ear-coverts and encircling the throat; this again is followed by a broad band of sandy buff across the chest, which is mottled with longitudinal spots and streaks of blackish; from behind the eye a crescentic line of black extending to the fore neck, and below the white band a second somewhat interrupted band of black; across the breast a band of light chestnut; axillaries and under wing-coverts white, with three broad black bars near the edge of the wing; quills dusky below, ashy whitish towards the base of the inner web. Total length 9 inches, culmen 0·8, wing 6·5, tail 3·4, tarsus 2·5.

Hab. South-western Africa, from Ovampo-land to the Cunene River.

a. ♀ ad. sk.	Ondonga, Ovampo-land, Jan. 25 (*C. J. Andersson*).	Seebohm Coll. (Type of species.)

6. Rhinoptilus chalcopterus. (Plate IV. fig. 1.)

Cursorius chalcopterus, *Temm. Pl. Col.* v. pl. 298 (1824: Senegambia); *Less. Man. d'Orn.* ii. p. 303 (1828); *Rüpp. Mus. Senck.* ii. p. 211 (1837: Senegambia); *Gray, List Grall. Brit. Mus.* p. 61 (1844: S. Africa); *id. & Mitch. Gen. B.* iii. p. 537, pl. 143 (1844); *Heugl. Syst. Uebers.* p. 54 (1856: Blue Nile; E. Senaar); *Hartl. Orn. W.-Afr.* p. 210 (1857: Senegambia); *Hartl. J. f. O.* 1861, p. 268; *Gurney, Ibis*, 1861, p. 134 (Natal); *Schl. Mus. Pays-Bas*, Cursores, p. 12 (1865: Senegambia); *Heugl. J. f. O.* 1865, p. 100 (Senaar and Kordofan): *Hartl. P. Z. S.* 1866, p. 62; *Layard, B. S. Afr.* p. 290 (1867); *Heugl. J. f. O.* 1867, p. 304; *Finsch, Tr. Z. S.* vii. p. 295 (1870); *id. & Hartl. Vög. Ostafr.* p. 629 (1870); *Ayres, Ibis*, 1871, p. 263 (Rhinoster River); *Gray, Hand-l. B.* iii. p. 19, no. 10044 (1871); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 970 (1873: Fazogloa; Rahad, mouth of Blue Nile; Upper White Nile; Kidj-Negro Land); *Cab. J. f. O.* 1878, p. 245 (Mombasa); *Böhm, J. f. O.* 1882, p. 184 (Kakoma); *Schalow, J. f. O.* 1883, p. 340 (Mugonga); *Sharpe, ed. Layard's B. S. Afr.* p. 656 (1884, pt.); *Fischer, Zeitschr. ges. Orn.* i. p. 389 (1884: Little Aruscha); *id. J. f. O.* 1885, p. 115 (Usaramo); *Seebohm, Ibis*, 1886, p. 118 (pt.); *Matschie, J. f. O.* 1887, p. 138 (Tanganyika); *Seebohm, Geogr. Distr. Charadr.* p. 246 (1888); *Emin, J. f. O.* 1891, p. 58 (Steppes of Ugogo); *Reichen. t. c.* p. 141 (Kinjakungi); *Shelley, Ibis*, 1894, pp. 25, 274 (Nyasa Land).

Cursor chalcopterus, *Wagl. Syst. Av.* Cursor, p. 81 (1827).

Tachydromus chalcopterus, *Swains. B. W. Afr.* ii. p. 233 (1837).

Rhinoptilus chalcopterus, *Strickl. P. Z. S.* 1850, p. 220 (Kordofan); *Antin. Cat. descr. Ucc.* p. 98 (1864: Blue Nile); *Salvin, Cat. Strickl. Coll.* p. 504 (1882).

Chalcopterus temminckii, *Reichenb. Av. Syst. Nat., Gall.* p. xxx, Taf. 365*b*. fig. 3543 (1852); *Heine & Reichen. Nomencl. Mus. Hein. Orn.* p. 339 (1890: Senaar).

Cursorius superciliaris, *Heugl. J. f. O.* 1865, pp. 98, 100 (Kidj-Negro Land); *Gray, Hand-l. B.* iii. p. 19, no. 10045 (1871).

Adult. Brown above, with a broad band of white formed by the upper tail-coverts; wing-coverts and inner secondaries like the back; the edge of the wing white; bastard-wing, primary-coverts, and primaries black, with metallic violet tips, before which is a subterminal bar of metallic steel-blue with a coppery line in between; the greater coverts narrowly edged with white at the ends; secondaries ashy brown with black ends, and a great deal of white on the inner web; tail-feathers brown, tipped broadly with white, before which is a broad sub-terminal band of black; crown of head like the back; lores white, as also the base of the forehead; the fore part of the crown parted with a line of creamy-buff feathers: a broad white eyebrow, followed by a narrow line of black above the eye; lower eyelid chestnut, as also a shade behind the eye; ear-coverts and sides of face sandy buff, varied with black, which occupies the hinder part of the ear-coverts; behind the eye a spot of white; cheeks and throat white, with a creamy-buff tinge near the gape; the sides of the upper throat marked with a broad moustachial band of brown, varied with black; fore neck and chest ashy brown, the latter paler brown, followed by a black band; breast and remainder of under surface of body white; under wing-coverts and axillaries white, tinged with creamy buff; several patches of black feathers along the outer edge of the wing, the lesser coverts of which are black below: "bill blackish, the basal half and angle of the mouth orange-red; feet brick-red; iris umber-brown" (*von Heuglin*). Total length 9·7 inches, culmen (c.), wing 6·6, tail 3·4, tarsus 2.9.

Hab. From Senegambia to N.E. Africa, and down the eastern side of the continent to Natal and British Caffraria; occurring also in Damara-land and on the Coanza River.

a ♂	ad. ak.	Waliko, Bogos-land, Aug. 2 (*W. Jesse*).	Tweeddale Coll.
b	Ad ak.	River Coanza.	Seebohm Coll.
c ♀	ad. ak.	Damara-land, Feb. 3 (*C. J. Anderssoni*).	Seebohm Coll.
d	Ad ak.	Tete, Zambesi (*Sir J. Kirk*).	Livingstone Exped.
e	Ad. ak.	Tschiromo, Nyassa-land, Sept. (*A. Whyte*).	H. H. Johnston, Esq., C.B. [P.].
f ♀	ad. ak.	Lake Shirwa, Jan. 1 (*A. Whyte*).	H. H. Johnston, Esq., C.B. [P.].
g	Ad. ak	Kei Road, about 18 miles east of Kingwilliamstown.	Major Trevelyan [P.].
h	Ad. ak.	South Africa.	Sir A. Smith [C.].

7. Rhinoptilus albofasciatus. (Plate IV. fig. 2.)

Cursorius chalcopterus (*nec T.*), *Gurney in Anderss. B. Dam. Ld.* p. 253 (1872, pt.: Damara-land); *Reichen. Mitth. Afrik. Ges.* i. p. 1 (1875: Malange); *Bocage, Orn. Angola*, p. 420 (1881: Capangombe and Humbe); *Butler, Feilden, & Reid, Zool.* 1882, p. 341; *Ayres, Ibis*, 1884, p. 232 (Potchefstroom); *Sharpe, ed. Layard's B. S. Afr.* p. 650 (1884, pt.); *Seebohm, Geogr. Distrib.*

Charadr. p. 246 (1888, pt.); *Bocage, Jorn. Lisb.* (2) ix. p. 15 (1893: Interior of Benguela).
Rhinoptilus albofasciatus, *Sharpe, Bull. B. O. C.* iii. p. xiv (1893).

Adult female. Similar to *R. chalcopterus*, but distinguished by the white bar down the wing, formed by the broad white margins of the greater wing-coverts, by the dull bronzy green, scarcely purple ends of the quills, and by the absence of the white band at the tip of the central tail-feathers. Total length 10 inches, culmen 0·85, wing 6·8, tail 2·85, tarsus 2·85.

Hab. S. Africa, from Natal and the Transvaal to Damara-land and Benguela.

a.	Ad. sk.	Natal (*T. Ayres*).	Seebohm Coll.
b.	♀ ad. sk.	Colenso, Natal, Nov. 20.	Capt. Savile Reid[C.].
c.	Imm. sk.	Potchefstroom, Transvaal, Jan. 21 (*T. Ayres*).	Gurney Coll.
d.	♀ ad. sk.	Otjimbinque, Damara-land, Jan. 18, 1865 (*C. J. Andersson*).	Tweeddale Coll.
e.	♂ imm. sk.	Ondonga, Jan. 22 (*C. J. Andersson*).	Seebohm Coll.

8. Rhinoptilus bitorquatus.

Macrotarsius bitorquatus, *Blyth, J. A. S. Beng.* xvii. p. 254 (1848).
Rhinoptilus bitorquatus, *Strickl. P. Z. S.* 1850, p. 223; *Jerd. B. Ind.* iii. p. 628 (1864); *Blyth, Ibis*, 1866, p. 228; *Blanf. J. A. S. Beng.* xxxviii. p. 190 (1862); *Hume, Str. F.* viii. p. 112 (1879); *Salvin, Cat. Strickl. Coll.* p. 294 (1882).
Cursorius bitorquatus, *Gray, Hand-l. B.* iii. p. 19, no. 10041 (1871); *Seebohm, Ibis*, 1886, p. 119; *id. Geogr. Distrib. Charadr.* p. 247, pl. xiii. (1888).

Adult male. General colour above brown, with faint traces of sandy margins to the feathers; wing-coverts more ashy brown, fringed with whitish or sandy buff, before which is a sub-terminal line of brown; along the wing a broad white band, commencing at the carpal bend, and formed of the outer median and greater coverts and continued by means of the white base to the outer secondaries; the inner secondaries resembling the other ashy-brown wing-coverts and similarly edged with white or sandy buff: primary-coverts and primaries black, the four outer quills marked with white as follows—the fourth has only a small spot of white near the end of the inner web; the third has a large white spot near the end of the inner web; on the penultimate feather the white spot on the inner web is larger and extends across the outer web also, forming a broad sub-terminal patch; on the first primary the white mark on the inner web is very large, and is extended on to the outer web for some distance along the middle of the feather: upper tail-coverts white, forming a broad band; tail-feathers brown, with a white spot at the end of the inner web, the base also white, increasing in extent towards the outermost feather, where the brown colour only forms a sub-terminal band; crown of head dark brown, parted down the centre by a broad band of creamy buff,

becoming sandy-coloured towards the nape; lores and base of forehead also white; followed by a broad eyebrow of creamy white; ear-coverts rufous-brown, with a streak of black below the eye; cheeks and throat buffy white, followed by a patch of chestnut-brown on the lower throat; this is followed by a band of white, circled by a fringe of blackish brown, and succeeded on the fore-neck by a broad band of brown; this is followed in its turn by a second band of white, below which is another less distinct brown shade on which are sub-terminal lines of black; remainder of under surface of body creamy white, including the under wing-coverts and axillaries: the flanks and under wing-coverts with a rufescent tinge, with patches of black near the edge of the wing; the greater series black edged with white: "bill yellow at base, horny at the tip; feet pale fleshy yellow; iris dark brown" (*T. C. Jerdon*). Total length 10 inches, culmen 0·8, wing 6·65, tail 2·25, tarsus 2·25.

Hab. Central India.

a. ♂ ad. sk. Badrachallum, Godavery Valley, March 7 (*W. T. Blanford*). Hume Coll.

6. STILTIA.

Type.

Stiltia, *Bp. C. R.* xliii. p. 419 (1856)..... S. isabella.

Rhimphalea, *Heine & Reichen. Nomencl. Mus. Hein.* p. 338 (1890)..... S. isabella.

Range. Australia and Celebes, and the Moluccas, as far as Java and Borneo.

1. Stiltia isabella.

Glareola isabella, *Vieill. Analyse*, p. 69 (1816); *id. N. Dict. d'Hist. Nat* xiii. p. 221 (1817); *Leach, Tr. Linn. Soc.* xiii. p. 132 (1820); *Vieill. Gal. Ois.* ii. p. 150, pl. 263 (1825); *Less. Traité*, p. 541 (1831); *Gray, Gen. B.* iii. p. 538 (1844); *Sel. Pr. Linn. Soc.* ii. p. 109 (1858); *Gray, Cat. B. New Guinea*, p. 50 (1859); *Salvad. Ucc. Borneo*, p. 320 (1874); *Meyer, Verh. z.-b. Ges. Wien*, p. 709 (1881: Timor); *Vorderm. N. T. Nederl. Ind.* xliv. p. 204 (1884: Java).

Glareola grallaria, *Temm. Man. d'Orn.* ii. p. 503 (1820); *S. Müll. Verh. Nat. Gesch. Land- en Volkenk.* p. 23 (1839-44: Oetanata); *Gould, B. Austr.* vi. pl. 22 (1848); *Reichenb. Handb., Gallin. Nov.* tab. cccx. figs. 2489 2501 (1851); *Schl. Handl. Dierk.* i. p. 445 (1857); *Gray, P. Z. S.* 1858, p. 197; *id. Cat. B. New Guinea*, p. 62 (1859); *id. P. Z. S.* 1860, p. 393, 1861, p. 348 (Waigiou; Aru Isl.); *Wall. P. Z. S.* 1863, p. 35 (Bourou); *Rosenb. J. f. O.* 1864, p. 135; *Gould, Handb. B. Austr.* ii. p. 243 (1865); *Schl. Mus. Pays-Bas*, Cursores, p. 18 (1865: W. coast of New Guinea; Ota Major; Flores; Borneo; Java); *Finsch, Neu-Guinea*, p. 181 (1865); *Rosenb. Reis naar Zuidoostereil.* p. 53 (1867: Aru), p. 82 (Key Isl.), p. 80 (Lijor); *Gray, Hand-l. B.* iii. p. 18, no. 10032 (1871); *Walden, Tr. Zool. Soc.* viii. p. 117 (1872: Celebes); *Meyer, J. f. O.* 1873, p. 405; *Masters, Proc. Linn. Soc. N. S. W.* ii. p. 188 (1877); *Rosenb. Malay. Arch.* p. 278 (1878-79: Celebes), p. 296 (Waigiou); *Salvad. Ann. Mus. Genov.* xiv. p. 606 (1879); *Legge, B. Ceylon*, p. 1081 (1880); *Seebohm, Geogr. Distr. Charadr.* p. 263 (1888); *Everett, Journ. Straits Br. As. Soc.* 1889, p. 204.

Glareola australis, *Leach, Tr. Linn. Soc.* xiii. p. 132, pl. 14, ♂ ♀ (1820); *Reichenb. Syn. Av., Gall.* Taf. 293. figs. 2499–2501 (1848).
Glareola isabellina, *Less. Compl. Buff., Ois.* p. 665 (1838).
Stiltia grallaria, *Bp. C. R.* xliii. p. 419 (1856).
Stiltia isabella, *Salvad. Ann. Mus. Genov.* xviii. p. 322 (1882); *id. Orn. Papuasia*, iii. p. 286 (1882); *id. Agg.* iii. p. 198 (1891).
Rhimphalea isabella, *Heine & Reichen. Nomencl. Mus. Hein. Orn.* p. 338 (1890).

Adult. General colour above brown with a slight olive wash, all the feathers more or less washed with sandy rufous; wing-coverts like the back and margined with sandy rufous; the outer coverts, as well as the bastard-wing, primary-coverts, and primaries black; the first primary-covert and first primary with white shafts; rump darker brown than the back; upper tail-coverts white, forming a white band; tail-feathers black, white at base, increasing in extent towards the outermost, which are almost entirely white, all the feathers tipped with ashy brown, with a white spot at the end of the inner web; crown of head brown, with sandy-rufous edgings to the feathers; the hind neck, sides of neck, and sides of face uniform sandy buff, with a lighter shade above the eye; lores black; cheeks and throat isabelline buff; fore neck and chest sandy rufous; abdomen, thighs, sides of vent, and under tail-coverts white; sides of lower breast and flanks deep chestnut; under wing-coverts and axillaries black: "bill red at the base, black at the tip; feet brown" (*J. Gould*). Total length 9 inches, culmen 0·65, wing 8·3, tail 2·4, tarsus 1·85.

Young. Differs from the adult in having a much more distinct rufous edging; the chestnut of the flanks paler and obscured by whitish edgings; sides of face and lower throat streaked with dusky blackish, and the fore neck also mottled with dusky markings.

Hab. Australia, New Guinea, Aru Islands, Kei Islands; and the Moluccas as far as Celebes, Flores, Java, and Borneo.

a. Ad. sk.	Australia.	Old Coll.
b. Ad. sk.	Australia.	Purchased.
c. Ad. sk.	S. Australia.	Gould Coll.
d, e, f. Ad. sk.	Queensland (*J. T. Cockerell*).	Salvin-Godman Coll.
g. ♀ ad. sk.	Cape York.	Seebohm Coll.
h, i. Ad. et juv. sk.	N.W. Australia (*T. H. Bowyer Bower*).	Capt. Bowyer Bower [P.].
k. Ad. sk.	New Guinea.	Seebohm Coll.
l. ♂ imm. sk.	Bouru.	Wallace Coll.
m. ♀ juv. sk.	Aru Islands (*von Rosenberg*).	Seebohm Coll.
n. Ad. sk.	N. Celebes.	Tweeddale Coll.
o. Ad. sk.	N. Celebes (*A. B. Meyer*).	Seebohm Coll.
p. Ad. sk.	Celebes.	Gould Coll.
q. Ad. sk.	S. Celebes (*A. B. Meyer*).	Tweeddale Coll.

7. GLAREOLA.

	Type.
Glareola, *Brisson, Orn.* v. p. 141 (1760)	G. pratincola.
Trachelia, *Scop. Ann. I.* p. 110 (1769)	G. pratincola.
Pratincola (*nec Koch*), *Degl. Orn. Eur.* ii. p. 107 (1843)	G. pratincola.
Dromochelidon, *Landb. Jahresb. Ver. Nat. Württemb.* 1846, p. 212	G. pratincola.

Fig. 7.—Left foot of *Glareola orientalis* (from the outside).

Fig. 8.—Middle claw of right foot (from inner side) to show the pectination (enlarged).

Range. Africa and Madagascar; Southern Europe, eastwards to Central Asia, India, the Burmese countries, China; south through the Moluccas to Australia.

Key to the Species.

a Axillaries chestnut.
  a Tail greatly forked; secondaries broadly tipped with white ..... *pratincola*, p. 58.
  b Tail less forked; secondaries not tipped with white ..... *orientalis*, p. 58.
b Axillaries black like the under wing-coverts. *melanoptera*, p. 57.

1. Glareola pratincola.

Le Perdrix-de-Mer, *Briss. Orn.* v. p. 141, pl. xii. fig. 1 (1760); *Allamet. Pl. Enl.* viii. pl. 882. (fig. pess.); *Buff. Hist. Nat. Ois.* vii. p. 542 (1780).
Le Perdrix-de-Mer à collier, *Briss. t. c.* p. 145; *Buff. Hist. Nat. Ois.* vii. p. 546 (1780).
Le Perdrix-de-Mer tachetée, *Briss. t. c.* p. 147.
Le Perdrix-de-Mer du Sénégal, *Briss. t. c.* p. 148.
Hirundo pratincola, *Linn. Syst. Nat.* i. p. 345 (1766).
Terna fusca, *Linn. Syst. Nat.* i. p. 252 (1766, ex *Briss.*).
Trachelia pratincola, *Scop. Ann. I.* p. 110 (1769).

La Perdrix de Mer grise, *Buff. Hist. Nat. Ois.* vii. p. 544 (1780).
La Perdrix de Mer brune, *Buff. t. c.* p. 544.
La Giarole, *Buff. t. c.* p. 545.
Austrian Pratincole, *Lath. Gen. Syn.* iii. pt. 2, p. 222, pl. lxxxv. (1785: fig. pess.).
Collared Pratincole, *Lath. t. c.* p. 223 (1785); *Yarr. Brit. B.* iii. p. 1 (1843).
Senegal Pratincole, *Lath. t. c.* p. 224.
Spotted Pratincole, *Lath. t. c.* p. 225.
Glareola austriaca, *Gm. Syst. Nat.* i. p. 695 (1788).
Glareola senegalensis, *Gm. t. c.* p. 696; *Brehm, Vög. Deutschl.* p. 566 (1831).
Glareola nævia, *Gm. t. c.* p. 696.
Glareola torquata, *Meyer, Taschenb.* ii. p. 404 (1816); *Temm. Man. d'Orn.* ii. p. 500 (1820); *Werner, Atlas*, Alectorides, pl. i. (1828); *Brehm, Vög. Deutschl.* p. 566 (1831); *Ménétr. Cat. rais. Cauc.* p. 52 (1832); *Gould, B. Eur.* iv. pl. 265 (1837); *Naum. Vög. Deutschl.* ix. p. 437, Taf. 234. figs. 1, 2 (1838); *Crespon, Orn. Gard*, p. 339 (1840); *Nordm. in Démid. Voy. Russ. Mérid.* iii. p. 274 (1840); *Reichenb. Av. Syst. Nat.* p. xxvii, Taf. 291. figs. 1619–1625 (1852); *Gray, B. W. Scotl.* p. 251 (1871); *Fallon, Ois. Belg.* p. 141 (1875).
Glareola pratincola, *Leach, Trans. Linn. Soc.* xiii. p. 131 (1820); *Brehm, Vög. Deutschl.* p. 565 (1831); *Keys. & Blas. Wirb. Eur.* p. 66 (1840); *Gray, Gen. B.* iii. p. 538 (1844); *Mühle, Beitr. Orn. Griechenl.* p. 88 (1844); *Schl. Rev. Crit.* p. lxxx (1844); *Rüpp. Syst. Uebers.* p. 117 (1845); *Thomps. B. Irel.* ii. p. 81 (1850); *Macgill. Brit. B.* iv. p. 49 (1852); *Heugl. Syst. Uebers.* p. 54 (1856); *Hartl. Orn. W.-Afr.* p. 210 (1857: Senegal; Gambia; Gold Coast; Gaboon); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 433 (1859); *Salvin, Ibis*, 1859, p. 354 (Eastern Atlas); *Linderm. Vög. Griechenl.* p. 126 (1860); *Tristr. Ibis*, 1860, p. 79 (N. Africa); *Powys, t. c.* p. 239 (Ionian Isl.; Corfu and Epirus); *Hartl. J. f. O.* 1861, p. 268 (Galam; Bissao); *Gray, List Brit. B.* p. 137 (1863); *Sperling, Ibis*, 1864, p. 285 (Palestine); *Antin. Cat. descr. Ucc.* p. 99 (1864: Senaar and Kordofan); *Filippi, Viagg. Pers.* p. 351 (1865); *Schl. Mus. Pays-Bas*, Cursores, p. 15 (1865: Senegambia; Gold Coast; Accra); *Drake, Ibis*, 1867, p. 429 (Tangiers); *Loche, Expl. Sci. Algér., Ois.* ii. p. 278 (1867); *Tristr. Ibis*, 1868, p. 322 (Palestine); *Sharpe, P. Z. S.* 1869, p. 571 (Ambriz); *Borggr. Vogelf. Norddeutschl.* p. 104 (1869); *Elwes & Buckley, Ibis*, 1870, p. 330 (Dobrudscha); *Gould, B. Gt. Brit.* iv. pl. 46 (1870); *Fritsch, Vög. Eur.* pl. xxxiii. figs. 6, 8 (1870); *Blanf. Geol. & Zool. Abyss.* p. 431 (1870); *Finsch & Hartl. Vög. Ostafr.* p. 630 (1870); *Finsch, Trans. Zool. Soc.* vii. p. 295 (1870: Gabana-weldt-Gonfalon); *Saunders, Ibis*, 1871, p. 385 (S. Spain); *Gray, Hand-l. B.* iii. p. 18, no. 10026 (1871); *Harting, Handb. Brit. B.* p. 133 (1872); *Shelley, B. Egypt*, p. 227 (1872); *Antin. & Salvad. Viagg. Bogos*, p. 141 (1873: R. Anseba); *Brooke, Ibis*, 1873, p. 338 (Sardinia); *Severtz. Turkest. Jevotn.* p. 69 (1873); *Ussher, Ibis*, 1874, p. 73 (Gold Coast); *Dresser, B. Eur.* vii. p. 411, pl. 153. fig. 1 (1874); *Irby, Orn. Str. Gibr.* p. 154 (1875); *Severtz. J. f. O.* 1875, p. 183; *Krüper, t. c.* p. 283 (Asia Minor); *Danf. & H.-Brown, Ibis*, 1875, p. 419 (Transylvania); *Dresser, Ibis*, 1876, p. 328; *Blanf. East. Pers.* ii. p. 282 (1876); *id. Str. F.* iv. p. 507 (1876: S.W. of Kotri, Sindh); *Hume, Str. F.* v. p. 329 (1877: Sindh); *Danf. Ibis*, 1877, p. 271 (Asia Minor,

from Inje-su to Kaizarieh); *id. Ibis*, 1878, p. 33; *Butler, Str. F.* vii. p. 180 (1878); *Bogd. B. Cauc.* p. 153 (1879); *Hume, Str. F.* viii. p. 112 (1879); *Doig, t. c.* pp. 371–375 (E. Narra, breeding); *Butler, Cat. B. Sind etc.* p. 57 (1879); *Goebel, J. f. O.* 1879, p. 274 (Uman); *Finsch, Reis. W.-Sibirien*, p. 134 (1879: Ala-Kul); *Vidal, Str. F.* ix. p. 78 (1880: S. Konkan; Ratnagiri); *Butler, Cat. B. S. Bomb. Pres.* p. 72 (1880); *C. Swinh. Ibis*, 1882, p. 120 (Afghanistan); *Salvin, Cat. Strickl. Coll.* p. 592 (1882: Smyrna; Kartoum); *B. O. U. List Brit. B.* p. 155 (1883); *Saunders, ed. Yarrell, Brit. B.* iii. p. 231 (1883); *Seebohm, Ibis*, 1883, p. 29 (Caucasus); *Tristr. Faun. & Flor. Palest.* p. 128 (1884); *Radde, Orn. Cauc.* pp. 42, 422 (1884: breeding); *Sharpe, ed. Layard's B. S. Afr.* p. 652 (1884); *Seeb. Hist. Brit. B.* iii. p. 69, pl. 24 (1885); *Sharpe, Ibis*, 1886, p. 492 (Fao); *Gigl. Avif. Ital.* p. 410 (1886); *Salvad. Elenc. Ucc. Ital.* p. 204 (1886); *Koenig, J. f. O.* 1888, p. 293 (Tunis); *Seebohm, Geogr. Distr. Charadr.* p. 256 (1888); *Saunders, Man. Brit. B.* p. 517 (1889); *Gigl. Avif. Ital., 1st Resoc.* p. 625 (1889); *id. 2nd Resoc.* p. 652 (1890); *Oates, ed. Hume's Nests & Eggs Ind. B.* iii. p. 318 (1890); *Koenig, J. f. O.* 1890, pp. 312, 451 (Madeira); *Heine & Reichen. Nomencl. Mus. Hein.* p. 338 (1890); *Brusina, Motr. (Orn. Croatica)*, p. 80 (1890); *Frivaldsky, Aves Hungariæ*, p. 124 (1891); *Sharpe, Sci. Res. 2nd Yark. Miss., Aves*, p. 139 (1891: Sarikol); *Emin, J. f. O.* 1891, p. 338 (Usambo to Lake Victoria); *Madarász, Erlaut. Ausst. Ungar. Vogelf.* p. 103 (1891); *Albarda, J. f. O.* 1892, p. 424 (Holland); *Blaauw, Notes Leyd. Mus.* xv. p. 224 (1893: N. Brabant); *Lilford, Col. Fig. Br. B.* pt. xxviii. (1894); *Shelley, Ibis*, 1894, pp. 25, 274 (Nyasa-Ld.).

Pratincola glareola, *Degland, Orn. Eur.* ii. p. 107 (1849).

Limosa melidon natrophila, *Landbeck, Jahresb. Ver. Nat. Württemb.* 1846, p. 228.

Glareola limbata, *Gray, Gen. B.* iii. p. 538 (1844, *ex Rupp. MSS.*); *Rupp. Syst. Uebers.* p. 113, pl. 12 (1845); *Strickl. Ann. & Mag. Nat. Hist.* (2) ix. p. 348 (1852: Kordofan).

Adult male. General colour olive-brown with a slight greenish gloss; wing-coverts like the back, as well as the long inner secondaries; bastard-wing, primary-coverts, and quills greenish-black; the secondaries externally olive-brown and inclining to ashy whitish at the ends; upper tail-coverts white; tail greatly forked, the feathers blackish, with a green gloss and paler brown tips, the base white, gradually increasing in extent towards the outer ones, the white occupying the basal two-thirds of the outermost; head like the back; feathers below the eye whitish; fore part of cheeks and throat sandy buff, surrounded by a white line, which is followed by a black line running from the front part of the eye, which is followed by a whitish shade; ear-coverts, hinder cheeks, sides of neck, fore neck, and breast dark ashy brown; lower breast, abdomen, sides, and under tail-coverts white; axillaries and inner under wing-coverts chestnut, the former with black bases; remainder of wing-coverts blackish, with a little patch of white near the lower primary-coverts; "bill dark brown, red at base behind the nostril; tarsi black; iris brown; no eye-ring" (*F. H. H. Guillemard*). Total length 8·8 inches, culmen 0·8, wing 7·5, tail 3·8, tarsus 1·5

Adult female. Similar to the male in colour. Total length 9·2 inches, culmen 0·7, wing 7·15, tail 4·2, tarsus 1·2.

Young. Distinguished from the adults by the numerous white edgings to the feathers of the upper surface; all the light margins accentuated by a sub-terminal bar of black; quills and tail-feathers similarly fringed and tipped with black; cheeks and throat creamy white, with narrow blackish shaft-lines; fore neck and lower throat ashy grey, edged with white and mottled with sub-terminal bars of black; chest creamy buff; remainder of under surface of body white.

Hab. Southern Europe and the countries of the Mediterranean eastwards to Turkestan and the Indian Peninsula. Wintering also in Africa.

a, b. ♂ ad. sk.	Malaga, S. Spain, April (*H. Saunders*).	Tweeddale Coll.
c. ♀ ad. sk.	Seville, June 12 (*H. Saunders*).	Seebohm Coll.
d. Ad. sk.	Tangiers.	Tweeddale Coll.
e. Imm. sk.	Marocco.	Tweeddale Coll.
f. Ad. sk.	Marocco, Aug.	Seebohm Coll.
g. Ad. sk.	Zana, Algeria, June (*O. S.*).	Salvin-Godman Coll
h. Ad. sk.	Algeria.	Seebohm Coll.
i, k. Ad. sk.	Tunis.	L. Fraser, Esq. [C.]
l. Ad. sk.	Greece.	Gould Coll.
m. ♂ ad. sk.	Missolonghi, May 30 (*H. S.*).	Seebohm Coll.
n, o. Ad. sk.	Egypt, April (*G. E. S.*).	Shelley Coll.
p, q. ♂ ad. sk.	Egypt, April 19 (*G. E. S.*).	Seebohm Coll.
r. Ad. sk.	Fayoum, Egypt (*von Heuglin*).	Seebohm Coll.
s, t. ♂ ad. sk.	Palestine.	Canon Tristram [C.].
u, v, w. ♂ ad.; *x.* ♀ ad. sk.	Cyprus, May 21 (*Dr. Guillemard*).	Lord Lilford [P.].
y, z. ♂ ♀ ad. sk.	Cæsarea, Asia Minor, May 3 (*C. G. Danford*).	Seebohm Coll.
a'. Ad. sk.	Mesopotamia (*Commander Jones*).	India Museum.
b'. ♀ ad. sk.	Shiraz, June (4750 feet).	Sir O. St. John [C.].
c'. Ad.; *d'–f'.* Imm. sk.	Fao, Persian Gulf.	W. D. Cumming, Esq. [P.].
g'. ♀ ad. sk.	Sarakhs, May 15 (*Mus. Petrop.*).	Seebohm Coll.
h'. Ad. sk.	Turkestan, May 2 (*Mus. Petrop.*).	Seebohm Coll.
i'. ♀ ad. sk.	Sarikol, May 9 (*Dr. Stolicz-ka*).	Second Yarkand Mission.
k'. Ad. sk.	Bibinani, Afghanistan, May 18.	Col. Swinhoe [L].
l'. ♀ ad. sk.	Kandahar, April 23 (*Sir O. St. John*).	Hume Coll.
m'–s'. ♂ ad.; *t'.* ♀ ad. sk.	Eastern Narra, Sind, May to June (*S. Doig*).	Hume Coll.
u'. ♀ ad. sk.	Allahabad, May 10 (*A. O. H.*).	Hume Coll.

*	Jur. St.	Lecce. Lane Lecce	Gioul. Cal.
**	Jur. St.	Lecce. Au. [illegible] Mac.	Lecce. Cal.
*	Jur. St.	Mecca.	[illegible]

Lecce Executive.

†	Jur. St.	Lec. Lec. Lecce. [illegible] Lecce.	Lecce.
‡	Jur. St.	Lecce.	[illegible] Lecce.
§	Jur. St.	Lecce.	[illegible] Cal.
‖	[illegible] Jur. St.	Lecce. E. [illegible] Lecce.	Lecce. Cal.
¶	Jur. St.	Lecce. Lec. Lecce.	Lec. [illegible] Lecce.
			[illegible]
**	[illegible] Jur. St.	Lecc. Lecce. Lec. [illegible]	[illegible] Lecce.
††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
***	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
†††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
****	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
*****	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
******	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
*******	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
********	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
*********	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
**********	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
***********	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
************	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
*************	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
**************	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
***************	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
****************	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
*****************	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
******************	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
*******************	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§§§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
********************	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§§§§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
*********************	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§§§§§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
**********************	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§§§§§§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
***********************	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§§§§§§§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
************************	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§§§§§§§§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
*************************	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§§§§§§§§§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
**************************	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§§§§§§§§§§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
***************************	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§§§§§§§§§§§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
****************************	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§§§§§§§§§§§§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
*****************************	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§§§§§§§§§§§§§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
******************************	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
*******************************	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
********************************	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
*********************************	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
**********************************	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
***********************************	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
************************************	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
*************************************	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
**************************************	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
***************************************	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
**	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
***	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
††††††††††††††††††††	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‡‡‡	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
§§§	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
‖‖‖	Jur. St.	Lecce. Lecce. Lecce.	[illegible] Lecce.
¶¶¶¶¶¶¶¶¶¶¶¶¶¶

Ibis, 1874, p. 388; *Ayres, Ibis*, 1877, p. 347 (Transvaal); *Bogd. B. Cauc.* p. 153 (1879); *Holub & Von Pelz. Beitr. Orn. Südafr.* p. 241 (1882); *Radde, Orn. Cauc.* pp. 44, 422 (1884: breeding).

Glareola pallasi, *Bruch, MSS. in Mus. Mogunt.*; *Schl. Rev. Crit.* pp. lxxxi, 94 (1844); *Frivaldszky, Aves Hung.* p. 124 (1891); *Madarász, Erläut. Ausst. Ungar. Vög.* p. 104 (1891).

Adult. Similar to *G. pratincola*, but easily distinguished by its black axillaries and under wing-coverts; the under surface paler than in *G. pratincola*, the throat having scarcely any ochreous colour: "bill black, with the base and the edges of the mandible red; feet dusky" (*T. Ayres*); "iris dark hazel" (*T. E. Buckley*). Total length 9·5 inches, culmen 0·7, wing 7·6, tail 3·25, tarsus 1·5.

Hab. S.E. Europe, especially the Volga and lowlands of the Caucasus, as far west as the Dobrudscha and even Hungary. Wintering in Africa.

a. ♀ ad. sk.	Constantinople, July 7 (*C. Pearce*).	R. B. Sharpe, Esq. [P.].
b, c. Ad. sk.	River Volga.	Seebohm Coll.
d. Ad. st.	Altai Mountains.	Mr. Brandt.
e. ♀ ad. sk.	Maiterek, Turkestan, June 4 (*Dr. O. Finsch*).	Geogr. Soc. Bremen.
f. ♂ ad. sk.	Irgis River, May 18 (*Mus. Petrop.*).	Seebohm Coll.
g. Imm. sk.	Calabar River, W. Africa.	Dr. Alex. Smith [C.].
h. Ad. st.	South Africa.	General Hardwicke.
i. Ad. st.	South Africa.	Purchased.
k. Ad. sk.	South Africa.	Earl of Derby [P.].
l. Ad. sk.	South Africa.	Sir A. Smith [C.].
m. ♀ ad. sk.	Damara-land (*C. J. Anderson*).	Seebohm Coll.
n, o. Ad. sk.	Damara-land (*C. J. Anderson*).	Tweeddale Coll.
p, q. ♂ ad. sk.	Transvaal, Dec. 8 (*T. E. Buckley*).	Shelley Coll.
r. Ad. sk.	Transvaal (*T. Ayres*).	Seebohm Coll.
s. Ad. sk.	Marico, Eastern Transvaal.	F. A. Barratt, Esq. [C.].
t, u. ♂ ♀ ad. sk.	Branslow's Farm, Transvaal, Dec. 8 (*F. Oates*).	W. E. & C. G. Oates, Esqrs. [P.].
v. ♂ ad. sk.	Potchefstroom, Dec. (*T. Ayres*).	Gurney Coll.
w. ♀ ad. sk.	Grahamstown.	Hume Coll.
x. ♀ ad. sk.	Queenstown, S.E. Africa (*T. C. Atmore*).	Sharpe Coll.

3. Glareola orientalis.

Perdrix de Mer, *Sonn. Voy. Ind. Orient.* ii. p. 216 (1782).

Maldivian Pratincole, *Lath. Gen. Syn.* iii. pt. 1, p. 224 (1785).

Coromandel Pratincole, *Lath. t. c.* p. 224 (1785).

Madras Pratincole, *Lath. t. c.* p. 224 (1785).

Glareola orientalis, *Leach, Trans. Linn. Soc.* xiii. p. 132, pl. xiii. ♂ ♀ (1820: Java); *Horsf. t. c.* p. 187 (1821); *Less. Traité*, p. 541 (1831); *id. Compl. Buff., Ois.* p. 665 (1838); *Gray,*

Gen. B. iii. p. 538 (1844); *id. List Grallæ in Brit. Mus.* p. 62 (1844: Java); *id. Cat. Mamm. etc. Nepal pres. Hodgson*, p. 131 (1846); *Gould, B. Austr.* vi. pl. 23 (1848); *Reichenb. Syn. Av., Gall.* Taf. 292. figs. 1627-28 (1848); *Blyth, Cat. B. Mus. As. Soc.* p. 259 (1849: Agra); *Reichenb. t. c.* Taf. 310. figs. 2504-2505 (1851); *Kelaart, Faun. Zeyl., Prodr. Cat.* p. 132 (1852); *Bp. C. R.* xliii. p. 419 (1856); *Schl. Handl. Dierk.* i. pp. 445, 481, tab. 7. fig. 79 (1857-58); *Swinh. Ibis*, 1861, p. 342 (Formosa); *Jerd. B. Ind.* iii. p. 631 (1864); *Schl. Mus. Pays-Bas*, Cursores, p. 16 (1865: Banka; Java; Timor); *Gould, Handb. B. Austr.* ii. p. 245 (1865); *Finsch, Neu-Guinea*, p. 181 (1865: Ceram; Ternate; Halmahéra; Batchian: Amboina; Timor); *Blyth, Ibis*, 1867, p. 163 (breeding near Calcutta); *Swinh. P. Z. S.* 1870, p. 603 (Luzon), 1871, p. 403 (China); *Gray, Hand-l. B.* iii. p. 18, no. 10031 (1871); *Walden & Layard, Ibis*, 1872, p. 105 (Negros); *Ball, Str. F.* i. p. 83 (1873: Andamans); *Hume, Str. F.* ii. p. 284 (1874: Andamans and Nicobars); *Walden, Ibis*, 1874, p. 146 (Cocos Isl.); *Salvad. Ucc. Born.* p. 319 (1874); *C. H. T. Marshall, Str. F.* iii. p. 415 (1875: Hissar); *Wald. Trans. Z. S.* ix. pp. 228, 251 (1875: Philippines); *Hume, Nests & Eggs Ind. B.* p. 568 (1875); *Blyth & Wald. B. Burm.* p. 154 (1875); *Cockburn, Str. F.* iv. p. 511 (1876: Allahabad); *Sharpe, Ibis*, 1876, p. 51 (Matu; Sibu); *Tacz. Bull. Soc. Zool. France*, i. p. 247 (1876); *David & Oust. Ois. Chine*, p. 431 (1877); *Sharpe, Ibis*, 1877, p. 23 (Bintulu; Marup); *Tweedd. tom. cit.* 1877, p. 322 (Lampongs); *Wardl. Ramsay, t. c.* p. 469 (Tonghoo); *Ramsay, Proc. Linn. Soc. N. S. Wales*, ii. p. 199 (1877); *Hume & Davison, Str. F.* vi. p. 454 (1878: Tenasserim); *Oates, Str. F.* vii. p. 49 (1878); *Davidson & Wenden, t. c.* p. 88 (Deccan); *Hume, t. c.* p. 482 (Calcutta); *Rosenberg, Malay. Arch.* p. 109 (1878-79: Sumatra), pp. 220, 278 (Celebes), p. 324 (Ceram), p. 563 (Lakahia); *Hume, Str. F.* viii. pp. 69 (Singapore), 112 (1879); *Doig, t. c.* p. 371 (E. Narra); *Butl. t. c.* p. 387; *id. Cat. B. S. Bomb. Pres.* p. 71 (1880); *Legge, B. Ceyl.* p. 980 (1880); *Bingham, Str. F.* ix. p. 196 (1880: Kaukaryit); *Nichols. Ibis*, 1881, p. 156 (Java); *Reid, Str. F.* x. p. 64 (1881: Lucknow); *Salvad. Ann. Mus. Genov.* xviii. p. 322 (1882); *id. Orn. Papuasia*, iii. p. 284 (1882); *Kelham, Ibis*, 1882, p. 6 (Perak); *Blasius, J. f. O.* 1882, p. 253 (Sarawak); *Oates, Handb. B. Brit. Burm.* ii. p. 261 (1883); *Slater, Ibis*, 1882, p. 435 (Hankow); *Vorderm. N. T. Nederl. Ind.* xliv. p. 204 (1884); *Seeb. Ibis*, 1884, p. 267 (Yangtze Kiang); *id. Geogr. Distr. Charadr.* p. 258 (1888); *Sharpe, Ibis*, 1888, p. 203 (Palawan); *Everett, Journ. Straits Br. Asiat. Soc.* 1889, p. 204; *Oates, ed. Hume's Nests & Eggs Ind. B.* iii. p. 319 (1890); *Whitehead, Ibis*, 1890, p. 59 (Palawan); *Sharpe, t. c.* pp. 143, 284 (Labuan); *Steere, List Birds and Mamm. Philipp.* p. 25 (1890: Luzon); *Styan, Ibis*, 1891, pp. 330, 503 (Lower Yangtze: migrant); *Salvad. Agg. Orn. Papuasia*, iii. p. 198 (1891); *Stejn. Proc. U.S. Nat. Mus.* xiv. p. 490 (1891: new to Japan); *De La Touche, Ibis*, 1892, p. 495 (Foochow: migrant).

Glareola torquata (*nec Briss.*), *Jerd. Madr. Journ.* xii. p. 216 (1840).

Glareola thermophila vel longipes, *Hodgs. Icon. ined. in Brit. Mus., Grallæ*, pl. 46. fig. 1 (no. 799); *id. in Gray's Zool. Misc.* p. 86 (1844).

Glareola pratincola (*nec Linn.*), *Radde, Reis. Sibir.* ii. p. 307 (1863: Argun River).

Adult male. Similar to *G. pratincola*, but having the lores black, the throat more rufous-buff, and the chest decidedly more rufous; no greyish-white tips to the secondaries, which are narrowly fringed with white at the ends; the tail much less forked and less broadly tipped with black: "bill black, the gape in the adult vermilion, brightest in the male, paler and duller in the female; feet brownish; iris umber-brown" (*A. O. Hume*). Total length 10 inches, culmen 0·65, wing 7·3, tail 3·15, tarsus 1·2.

Adult female. Similar to the male. Total length 8·7 inches, culmen 0·7, wing 6·95, tail 2·8, tarsus 1·15.

Young. Differs from the adult in having the entire upper surface blackish, mottled with broad edgings of sandy buff to all the feathers, especially the quills and tail-feathers; the head mottled like the back; cheeks and under surface of body isabelline buff, the fore neck and chest mottled with black, the feathers with a broad sub-terminal bar or heart-shaped spot of black.

The sandy-buff margins to the feathers become bleached to white, and in many respects abraded, so that the sub-terminal black markings of the young plumage remain as margins to the dorsal feathers. The adult plumage is apparently gained by a moult, and the new feathers have a slight indication of a sandy-buff fringe on the upper parts, while the chest is mottled with ashy, the feathers having sandy-coloured margins; the throat is at first irregularly spotted or streaked with blackish, and has scarcely any signs of a black crescent.

There is considerable variation with regard to the rufous colour of the throat and breast, this being sometimes very rich in tint. I imagine that this is a sign of nesting plumage to a great extent; but it may also indicate the age of the bird, the plumage becoming more richly coloured as the bird gets older.

Hab. N.W. India and Sind, over the northern part of the Indian Peninsula, extending to Ceylon and through Burmah and Tenasserim, the Malay Archipelago, to Northern Australia. Breeding also in Eastern Siberia and migrating through China.

a, b. ♂ ♀ ad. sk.	Eastern Narra, May (*S. Doig*).	Hume Coll.
c, d. ♀ ad. sk.	Hissar, Punjab, Oct. 1 (*G. F. L. Marshall*).	Hume Coll.
e, f, g. ♂ ad. et juv.; *h.* ♀ imm.; *i.* Pull. sk.	Sultanpur, Gurgaon, July, Sept. (*W. N. Chill*).	Hume Coll.
k–n. ♂ ad. et juv.; *o–v.* ♀ ad. sk.	Delhi, March to June (*C. T. Bingham*).	Hume Coll.
w, x. Imm. sk.	Etawah, August.	Hume Coll.
y, z. Ad. sk.	Calcutta, Jan. 24.	Hume Coll.
a'. ♂ imm. sk.	Kandelay, N.E. Ceylon, August 4.	Col. W. V. Legge [P.].
b', c'. Ad. sk.	Little Cocos, Andamans, April 5 (*R. G. W. R.*).	Tweeddale Coll.
d', e'. ♂ ♀ ad. sk.	Table Island, Cocos, April (*W. Davison*).	Hume Coll.

f'. Ad. sk.	Andamans.	Hume Coll.
g'. ♀ ad. sk.	S. Andamans, Nov. 30 (*R. J. Wimberley*).	Tweeddale Coll.
h', *i'*. ♂ ad.; *k'*, *l'*. ♀ ad. sk.	S. Andamans, March (*R. G. W. R.*).	Tweeddale Coll.
m'. ♀ ad. sk.	Camorta Island, Nicobars, Dec. (*R. J. Wimberley*).	Tweeddale Coll.
n'. Ad. sk.	Camorta Island, March (*W. Davison*).	Hume Coll.
o'. ♀ ad. sk.	Nancowry Island, Nicobars, Dec. (*R. J. Wimberley*).	Tweeddale Coll.
p', *q'*. ♂ ♀ ad. sk.	Kyouk Phyon, Burma, April (*J. Armstrong*).	Hume Coll.
r', *s'*. ♂ ♀ ad. sk.	Pegu, March, April (*E. W. Oates*).	Oates Coll.
t'–w'. Ad. sk.	Pegu, March (*E. W. O.*).	Hume Coll.
x'. Ad. sk.	Rangoon (*E. W. O.*).	Hume Coll.
y'–b''. ♀ ad.; *c''*, *d''*. Ad. sk.	Tonghoo, Oct., April, May (*R. G. W. R.*).	Tweeddale Coll.
e''. ♂ ad. sk.	Kaukaryit, May (*C. T. Bingham*).	Hume Coll.
f'', *g''*. ♂ ad. sk.	Thatone, Nov. (*W. Davison*).	Hume Coll.
h'', *i''*. ♂ ♀ ad. sk.	Momenzeik, Moulmein, March (*W. Davison*).	Hume Coll.
k'', *l''*. ♂ ♀ ad. sk.	Khobang, Attaran Distr., March (*W. Davison*).	Hume Coll.
m''. ♂ ad. sk.	Amherst, March (*W. Davison*).	Hume Coll.
n''. ♀ ad. sk.	Yea, March (*W. Davison*).	Hume Coll.
o'', *p''*. ♂ ♀ ad. sk.	Tavoy, March (*W. Davison*).	Hume Coll.
q''. ♀ ad. sk.	Siam (*Sir R. Schomburgk*).	Gould Coll.
r''. ♀ ad. sk.	Bangkok, April 2 (*Capt. Conrad*).	Dr. Sharpe [P.].
s''. Ak. sk.	Penang.	Wallace Coll.
t''. Ad. sk.	Malacca, Oct. (*Dr. Maingay*).	Tweeddale Coll.
u'', *v''*. ♂ ♀ ad. sk.	Johore, March (*W. Davison*).	Hume Coll.
w''. ♂ ad. sk.	Singapore, Sept. 24 (*W. Davison*).	Hume Coll.
x'', *y''*, *z''*. ♂ imm.; a^3–e^3. ♀ ad. et imm. sk.	Singapore Island, Sept. to Dec. (*W. Davison*).	Hume Coll.
f^3. Ad. sk.	Lampong, S.E. Sumatra (*E. C. Buxton*).	Tweeddale Coll.
g^3, h^3. Ad. et imm. sk.	Java.	India Museum.
i^3, k^3. Ad. sk.	Borneo (*Rajah Brooke*).	Gould Coll.
l^3. ♂ imm. sk.	Labuan, Oct. 19.	A. H. Everett, Esq. [C.].
m^3. Imm. sk.	S.W. Formosa (*R. Swinhoe*).	Salvin-Godman Coll.
n^3. Imm. sk.	S.W. Formosa (*R. Swinhoe*).	Seebohm Coll.
o^3. ♂ imm. sk.	Shanghai, Sept. 28 (*Capt. Ince*).	Mrs. Ince [P.].
p^3. Ad. sk.	Australia.	Linnean Society.
q^3. Ad. sk.	Queensland.	Lord Leigh [P.].
r^3–u^3. Ad. et imm. sk.	Cape York.	Gould Coll

v^3. Ad. sk.	Cape York.	Seebohm Coll.
w^3, x^3. Imm. sk.	Cape York (*J. T. Cockerell*).	Salvin-Godman Coll.
y^3. Ad. sk.	Cape York (*J. T. Cockerell*).	Tweeddale Coll.
z^3, a^4. Skeletons.	Java.	Purchased.

8. GALACTOCHRYSEA.

	Type.
Galachrysia, *Bp. C. R.* xliii. p. 419 (1856)	G. lactea.
Galactochrysea, *Heine & Reichen. Nomencl. Mus. Hein.* p. 338 (nom. emend., 1890)	G. lactea.

Range. Africa and the Indian Peninsula.

Key to the Species.

a. Axillaries chestnut like the breast; a white mark under the eye and another behind it; legs black.. *ocularis*, p. 62.
b. Axillaries slaty grey or ashy brown like the sides of the body; feet yellow in skin, red in life.
  a'. Hind neck with a rufous collar ..... *liberiæ*, p. 63.
  b'. Hind neck with a white collar.
    a''. No white on outer base of secondaries ..... *emini*, p. 64.
    b''. Outer edge of base of secondaries white .... *nuchalis*, p. 64.
c. Axillaries white; feet yellow in skin; hind neck with a pale rufous collar; a black patch on ear-coverts; back ashy grey..... *cinerea*, p. 64.
d. Axillaries black; feet black; back ashy grey; no collar on hind neck..... *lactea*, p. 65.

1. Galactochrysea ocularis.

Glareola ocularis, *Verr. S. Afr. Q. Journ.* ii. p. 80 (1833); *Hartl. Faun. Madag.* p. 71 (1861); *Grandid. Rev. et Mag. de Zool.* 1867, p. 419; *Layard, B. S. Afr.* p. 292 (1867); *Schl. & Poll. Faune Madag., Ois.* p. 130, pl. 38 (1868); *Finsch & Hartl. Vög. Ostafr.* p. 635 (1870); *Gray, Hand-l. B.* iii. p. 18, no. 10030 (1871); *Hartl. Vög. Madag.* p. 292 (1877); *Milne-Edwards & Grandid. Hist. Nat. Madag., Ois.* p. 645, pls. cclvi.–cclviii. (1882); *Seebohm, Geogr. Distr. Charadr.* p. 200 (1888); *Shelley, Ibis*, 1888, p. 304 (Lamu); *Sibree, Ibis*, 1892, p. 115.

Glareola geoffroyi, *Pucher. Rev. Zool.* 1845, p. 51; *id. Mag. de Zool.* 1845, pl. lvii.; *Reichenb. Syn. Av., Gall.* Taf. 291. fig. 1626 (1848); *Roch & E. Newton, Ibis*, 1863, p. 169; *E. Newton, t. c.* p. 455.

Glareola nordmanni (*nec Fischer*), *Kirk, Ibis*, 1864, p. 332 (Zambesi).

Adult male. General colour above brown with a slight olive gloss, the wing-coverts and inner secondaries like the back; outer coverts, bastard-wing, primary-coverts, and quills blackish brown, with a narrow whitish fringe at the end of the secondaries and greater coverts; rump rather darker than the rest of the back; upper tail-coverts white, forming a broad white band; tail-feathers black, with a good deal of white on the basal half of the feathers, increasing in extent towards the outermost, which is white with a broad band of black at the end, the middle tail-feathers tipped with

ashy brown or whitish; crown of head dusky blackish brown, forming a cap; the lores and feathers round the eye black; a spot of white below the eye, and a second spot of white behind the latter; ear-coverts, throat, and chest dark ashy brown; entire breast pale chestnut, the flanks inclining to ashy brown; abdomen, lower flanks, thighs, and under tail-coverts white; under wing-coverts and axillaries chestnut, the outer coverts dark brown with a spot of white at the base of the primary-coverts: "bill black, the base vermilion; claws reddish brown; iris brown" (*E. Newton*). Total length 9 inches, culmen 0·7, wing 7·5, tail 2·65, tarsus 1.

Hab. Madagascar, and Eastern Africa from the Zambesi to Lamu.

a. Ad. st.	Madagascar.	Purchased.
b. Ad. st.	Madagascar.	Mr. Gerrard [C.].
c. Ad. sk.	Zambesi (*Sir J. Kirk*).	Livingstone Expedition.
d. Ad. sk.	Lamu, Sept. 11.	F. J. Jackson, Esq. [P.].

2. Galactochrysea liberiæ.* (Plate V. fig. 1.)

Glareola megapoda, *Gray, List Grallæ Brit. Mus.* p. 62 (R. Quorra: descr. nulla!); *id. Hand-l. B.* iii. p. 18, no. 10029 (1871); *Büttik. Notes Leyden Mus.* vii. pp. 233, 256 (1885: descr. princeps), x. p. 99 (1888), xi. pp. 127, 136 (1889); *Seeb. Geogr. Distr. Charadr.* p. 267 (1888).

Glareola nuchalis (*nec Gray*), *Hartl. Orn. W.-Afr.* p. 211 (1857); *Reichen. J. f. O.* 1877, p. 11 (Loango).

Glareola marchei, *Oustalet, Bull. Soc. Philom.* (7) i. p. 104 (1877).

Glareola nuchalis liberiæ, *Schl. Notes Leyden Mus.* p. 58 (1881).

Adult. General colour above dark ashy brown with a slight olive gloss. Wing-coverts and inner secondaries like the back; outer coverts, bastard-wing, primary-coverts, and quills blackish brown, with a little white at the base of the inner web and the secondaries. Upper tail-coverts white, forming a band; tail-feathers blackish, white at base, increasing in extent towards the outermost, which have only the terminal third black, the centre feathers edged with white at the end of the inner web. Crown of head darker and more blackish brown than the back, with a collar of bright cinnamon on the hind neck and sides of neck; lores blackish, as well as the chin; below the eyes a streak of white; sides of face, ear-coverts, cheeks, throat, and breast dark ashy grey, becoming lighter on the sides of the body and flanks; abdomen and thighs whitish, slightly washed with grey; vent and under tail-coverts white; under wing-coverts blackish, axillaries greyish: "bill coral-red, the point black; feet coral-red; iris dark brown"

* Following the absurd custom of earlier days, that the naming of a specimen in a museum was sufficient to set up a specific designation for the whole world to recognize, Mr. G. R. Gray called this species *Glareola megapoda* in 1844, but gave no description by which it could be identified. The best description is that of Mr. Büttikofer, and it would have been a pleasure to have followed his recognition of the species, but for the fact that, in the meantime, the late Professor Schlegel had named it *G. nuchalis liberiæ*, so that one has no option but to adopt the latter name.

(*J. Büttikofer*). Total length 6·3 inches, culmen 0·55, wing 5·65, tail 1·9, tarsus 0·95.

Young. Similar to the adult, but freckled on the back, wings, and chest with fulvescent tips to the feathers, which have a blackish sub-terminal bar.

Hab. West Africa, from the Niger to Liberia.

a. Juv. sk.	River Niger (*Dr. Baikie*).	Tweeddale Coll.
b, *c*. Ad.; *d*. Juv. sk.	River Niger.	Dr. Baikie [C.].
e. Juv. sk.	River Niger.	Mrs. Heywood [P.]. (Type of *G. megapoda*.)
f. Ad. sk.	Scarcies River, Gold Coast.	H. F. Blissett, Esq.

3. Galactochrysea emini. (Plate V. fig. 2.)

Glareola emini, *Shelley*, *P. Z. S.* 1888, p. 49; *Seebohm*, *Geogr. Distr. Charadr.* p. 209 (1888).

Adult male (type of species). Similar to *G. liberiæ*, but larger, with no white at the base of the secondaries, and at once distinguished by the white collar on the hind neck: "bill black, with the basal half vermilion-red; feet vermilion; iris umber-brown" (*Emin Pasha*). Total length 8 inches, culmen 0·55, wing 6, tail 2·5, tarsus 0·7.

Hab. Equatorial Africa.

a. ♂ ad. sk.	Foda, Equatorial Africa, Oct. 18, 1885.	Emin Pasha [P.]. (Type of species.)

4. Galactochrysea nuchalis.

Glareola nuchalis, *Gray*, *P. Z. S.* 1849, p. 63, pl. ix.; *Heugl. Orn. N.O.-Afr.* ii. pt. 2, p. 984 (1871: Upper Nile; Gondar); *Gray*, *Hand-l. B.* iii. p. 18, no. 10028 (1871); *Seeb. Geogr. Distr. Charadr.* p. 266 (1888).

Adult (type of species). Similar to *G. liberiæ*, but with a white collar round the hind neck, and further distinguished by the white on the outer web of the base of the secondaries. Total length 5·7 inches, culmen 0·5, wing 5·45, tail 1·85, tarsus 0·7.

Hab. Upper White Nile region.

a. Ad. sk.	White Nile.	F. Galton, Esq. [P.]. (Type of species.)

5. Galactochrysea cinerea.

Glareola cinerea, *Fraser*, *P. Z. S.* 1843, p. 26; *Gray*, *Gen. B.* iii. p. 538, pl. 144 (1844); *id. List Grallæ Brit. Mus.* p. 62 (1844: R. Quorra); *Hartl. Orn. W.-Afr.* p. 211 (1857); *Cassin*, *Proc. Philad. Acad.* 1859, p. 173 (Camma R.); *Hartl. J. f. O.* 1867, p. 268; *Gray*, *Hand-l. B.* iii. p. 18, no. 10034 (1871); *Reichen. J. f. O.* 1877, p. 11 (Loango Coast); *Bocage*, *Orn. Angola*, p. 422 (1881); *Reichen. J. f. O.* 1887, p. 299 (Manyanga); *Seebohm*, *Geogr. Distr. Charadr.* p. 265 (1888).

Galachrysia cinerea, *Bp. C. R.* xliii. p. 419 (1856).
Glareola (Galachrysea) cinerea, *Hartert, J. f. O.* 1886, p. 610 (R. Niger).

Adult. Similar to *G. lactea*, but paler and more of a pearly grey, and differing in the cinnamon-rufous collar on the hind-neck and sides of neck, the white eyebrow, white cheeks and sides of face, with a line of black crossing the ear-coverts to the sides of the throat; it has also white axillaries and a yellow base to the bill. Total length 6·5 inches, culmen 0·5, wing 5·6, tail 2·1, tarsus 0·85.

Hab. West Africa, from the Niger to the Congo.

♂	Adult.	River Niger (*L. Fraser*).	Capt. Allen (P.). (Types of species.)
♂	Juv.	River Niger (*L. Fraser*).	Eyton Coll.
♂	Adult.	River Niger.	Dr. Baikie (C.).
♂	Adult.	River Niger (*Dr. Baikie*).	Tweeddale Coll.
♀	Adult.	Ogowé River.	H. T. Ansell, Esq. (P.).
♂	Skeleton.	Gaboon.	Purchased.

6. Galactochrysea lactea.

Glareola lactea, *Temm. Man. d'Orn.* ii. p. 503 (1820); *id. Pl. Col.* v. pl. 380 (1826); *Gray, List Gralla Brit. Mus.* p. 62 (1844); *id. Gen. B.* iii. p. 588 (1844); *Blyth, Cat. B. Mus. As. Soc.* p. 259 (1849: Calcutta); *Jerd. B. Ind.* iii. p. 632 (1864); *Schl. Mus. Pays-Bas, Glareæ*, p. 17 (1865); *Gould, B. Asia*, vii. pl. 64 (1869); *Gray, Hand-l. B.* iii. p. 18, no. 10033 (1871); *Hume, Str. F.* i. p. 440 (1874); *id. Nests & Eggs*, p. 568 (1873); *Ball, Str. F.* ii. p. 429 (1874); *Hartwig, P. Z. S.* 1874, pl. 60. fig. 1 (egg); *Hume, Str. F.* iii. p. 179 (1875); *Blyth & Wald. B. Burm.* p. 154 (1875); *Armstr. Str. F.* iv. p. 338 (1876); *Ramsay, Ibis*, 1877, p. 469; *Hume & Davison, Str. F.* vi. p. 454 (1878); *Davidson & Wenden, Str. F.* vii. p. 88 (1878); *Bal, l. c.* p. 226; *Cripps, l. c.* p. 280; *Hume, l. c.* p. 482; *Butler, Cat. B. S. Bomb. Pres.* p. 72 (1880); *Oates, Handb. B. Burm.* ii. p. 363 (1883); *Hume, Str. F.* xi. p. 312 (1883); *Seebohm, Geogr. Distr. Charadr.* p. 264 (1888); *Oates, ex Hume's Nests & Eggs*, iii. p. 320 (1889); *Barnes, Journ. Bomb. Nat. Hist. Soc.* iii. p. 205, iv. pp. 2, 83, 237, v. pp. 1, 97, 315, vi. p. 1. 29.

Glareola orientalis, nec *Leach, Jerd. Madr. Journ.* xii. p. 215 (1840).

Glareola rapalensis vel cinerascens, *Hodgs. Icon. ined. in Brit. Mus., Gralla*, pl. 45 (no. 658), *id. in Gray's Zool. Misc.* p. 86 (1844).

Glareola gangetica, *Hodgs. Icon. ined. in Brit. Mus., Gralla*, pl. 46 (no. 251), *id. in Gray's Zool. Misc.* p. 86 (1844).

Galachrysia lactea, *Bp. C. R.* xliii. p. 419 (1856).

Galachrysea lactea, *Heine & Reichen. Nomencl. Mus. Hein.* p. 338 (1890).

Adult male. General colour above light ashy grey; wing-coverts like the back, the greater series edged with white; outer wing-coverts, bastard-wing, primary-coverts, and quills black, with white near the base of the inner web, increasing towards the centre of the wing; the secondaries white, with a black bar at the end, the

inner ones ashy grey like the back; upper tail-coverts white; tail-feathers black, white at base, increasing in extent towards the outer ones, which are white with black tips; the centre tail-feathers tipped with white or ashy; head like the back, with a line of black from the gape to the lores; sides of face, ear-coverts, and sides of neck light ashy grey; the cheeks and entire throat rufescent buff; fore-neck and chest pale pearly grey; remainder of breast, abdomen, and under tail-coverts white; under wing-coverts and axillaries black, with a white spot at the base of the outer primaries: "bill black, gape and basal part of margins red; feet neutral brown or plumbeous brown; iris dark brown" (*W. V. Legge*). Total length 6·5 inches, culmen 0·5, wing 5·8, tail 2·05, tarsus 0·65.

Adult female. Similar to the male in colour. Total length 6 inches, culmen 0·55, wing 5·6, tail 1·75, tarsus 0·7.

Young. Only seems to differ from the adult in having some obsolete light margins to the feathers of the upper surface, and in having the throat spotted with dusky brown.

Hab. Indian Peninsula and Ceylon.

a. ♀ ad. sk.	Kotri, Sind, Feb. 20 (*H. E. Barnes*).	Hume Coll.
b, c. Ad. sk.	N.W. frontier of India (*W. Griffith*).	India Museum.
d, e, f. Ad. sk.	Murdan, March.	Hume Coll.
g, h. ♂ ♀ ad. sk.	Gurgaon District, March 12 (*A. O. H.*).	Hume Coll.
i–m. Ad.; *n, o.* Juv. sk.	Etawah, Feb., Oct.	Hume Coll.
p, q, r. Ad. sk.	Nepal.	Hodgson Coll. (Types of *G. nipalensis.*)
s, t. Ad. sk.	Behar.	Hodgson Coll.
u–x. Ad. sk.	Dinapur.	Pinwill Coll.
y. Ad. sk.	Darjiling Terai.	India Museum.
z. Ad. sk.	Sikhim Terai.	Hume Coll.
a'. Ad. sk.	Bhotan Terai, Jan. (*L. Mandelli*).	Hume Coll.
b'. Ad. sk.	Lower Hills, Bhotan Dooars (*L. M.*).	Hume Coll.
c', d', e'. Ad. sk.	N. Khasia Hills (*A. W. Chennell*).	Tweeddale Coll.
f', g'. Ad. sk.	Dacca.	Hume Coll.
h'. ♀ ad. sk.	Calcutta, Dec.	Col. J. Biddulph [C.].
i'. Ad. sk.	Calcutta.	Hume Coll.
k'. ♂ ad. sk.	Godaveri Valley, Jan. (*W. T. Blanford*).	Hume Coll.
l'. ♂ ad. sk.	Bilaspur District, April 5 (*W. T. Blanford*).	Seebohm Coll.
m', n'. Ad. sk.	Damoodah River, Feb. (*R. C. Beavan*).	Tweeddale Coll.
o'. Ad. sk.	Saugor.	Hume Coll.
p'–u'. Ad. sk.	Raipur, Jan., Feb.	Hume Coll.
v'. Ad. sk.	South Canara.	Hume Coll.
w', x', y'. Ad. sk.	Khandeish.	Tweeddale Coll.
z', a''. Ad. sk.	Deccan (*Sykes*).	India Museum.

♂ Ad. sk.	Madras (*Jerdon*).	Gould Coll.
♂ ♀ ad. sk.	S.E. Ceylon, June 30.	Col. Vincent Legge (P.).
♂ ♀ ♀ ; ♂, ♀ ad. sk.	Tonghoo, Burma, Feb., April, May (*R. G. W. R.*).	Tweeddale Coll.
♂ Ad. sk.	Shway-g-ween, Jan. 1 (*R. G. W. R.*).	Tweeddale Coll.
♂ ♀ ad. sk.	Palow, Pegu, April 14 (*E. W. O.*).	Oates Coll.
♂ ♀ ad. sk.	Elephant Point, Dec. 1 (*J. Armstrong*).	Hume Coll.
♂ ♀ imm. ; ♂, ♀ ad. ♂ ♀ ; ♂, ♀ ad.	Theinzeik, Tenasserim, Dec. 12 (*W. Davison*).	Hume Coll.
♂ ♀ ad. sk.	Phagat, Nov. 25 (*W. D.*).	Hume Coll.
♂ ♀ ad. ; ♂ ♀ ♀ ; ♂, ♀ ad. et [illegible]	Thatone, Nov., Dec. (*W. D.*).	Hume Coll.
[illegible] Skeleton.	Khasia Hills (*A. W. Chennell*).	Tweeddale Coll.
[illegible] Skeleton.		Purchased.

Family III. PARRIDÆ.

Palate schizognathous.

Dorsal vertebræ opisthocœlous.

Basipterygoid processes present.

No occipital foramina.

Spinal feather-tract forked on back.

General aspect that of a Rail. Toes enormously long, and armed with straight spur-like claws, the hind toe very long with a claw exceeding it in length.

Nest a floating mass of grass and weeds.

Eggs pear-shaped, glossy, uniform olive in *Hydrophasis* and *Metopidius*; in the other genera thickly scrawled over with black.

Key to the Genera.

a. No frontal shield or lappet; centre tail-feathers greatly elongated, exceeding the length of the body; primaries attenuated towards the ends, the shafts of the outer ones, at all ages and seasons, produced in such a manner as to form a kind of elongated terminal plume in continuation of those quills; a small sharp spur on the carpal joint ..... 1. HYDROPHASIS, p. 69.

b. With a frontal shield or lappet; primaries not produced at the ends.

a'. With a frontal shield, rounded or truncate posteriorly.

a''. Frontal shield large, not leaf-like and unattached, but occupying the anterior part of the crown to behind the line of the eye; spur obtuse and feebly developed ..... 2. METOPIDIUS, p. 72.

b''. Frontal shield very small, not extending as far as the line of the eye, and unattached posteriorly to the skull, leaf-like in character; spur on the wing obtuse and scarcely developed at all ..... 3. PHYLLOPEZUS, p. 76.

b'. With a frontal lappet, leaf-like, with an erect central comb ..... 4. HYDRALECTOR, p. 79.

c'. With a frontal lappet, leaf-like and divided posteriorly.

c''. Frontal lappet with a single median indentation behind; a small pendent lappet at the angle of the mouth; spur on wing well developed and very sharp... ..... 5. JACANA, p. 81.

d''. Frontal lappet with a double indentation behind, with no pendent rictal lappet; spur on wing strongly developed, long, and very sharp..... 6. ASARCIA, p. 86.

♂. Forehead feathered, without any frontal shield; primaries ordinary, not produced at the ends. Size very small: total length 6·5 inches..... ..... 7. APHALUS, p. 88.

1. HYDROPHASIS.

Type.

Hydrophasianus, *Wagler, Isis*, 1832, p. 270..... ..... H. sinensis.

Range. Indian Peninsula from Cashmere and Sind, south to Ceylon, east through the Burmese countries to South China, and southwards to Malacca, Java, and the Philippine Islands.

1. Hydrophasis chirurgus.

Le Chirurgien de l'Isle de Luçon, *Sonn. Voy. N. Guin.* p. 82, pl. 45 (1776).

Tringa chirurgus, *Scop. Del. Flor. et Faun. Insubr.* ii. p. 92 (1786).

Parra Jacana, *Lath. Gen. Syn.* iii. pt. 1, p. 245 (1785).

Chinese Jacana, *Lath. t. c.* p. 246 (1785); *id. Gen. Syn. Suppl.* i. p. 256, pl. 117 (1787).

Parra Lyzomiensis, *Gm. S. N.* i. p. 709 (1788); *Vieill. N. Dict* xvi. p. 447 (1817).

Parra sinensis, *Gm. t. c.* p. 709 (1788); *Vieill. t. c.* p. 451 (1817); *Cat. Orn.* ii. p. 105, pl. 285 (1820-34), *Less. Traité*, p. 539 (1831); *Gray & Hardw. Ill. Ind. Zool.* ii. pl. 55 (1832); *Hodgs. Icon. ined. in Brit. Mus., Gralla*, pl. 108 (no. 563); *id. in Gray's Zool. Misc.* p. 86 (1844); *Schl. Mus. Pays-Bas*, Ralli, p. 71 (1865: Luzon; Java); *Kelham, Ibis*, 1882, p. 185 (Perak).

Hydrophasianus sinensis, *Wagler, Isis*, 1832, p. 270; *Gray, List Gralla Brit. Mus* p. 114 (1844); *id. Gen. B.* iii. p. 580 (1846); *id. Cat. Mamm. etc. Nepal pres. Hodgs.* p. 142 (1846); *Reichenb. Av. Syst. Nat., Fulicariæ*, Taf. 112, figs. 1130-1132 (1852); *Gould, B. Asia*, vii. pl. 68 (1855), *Blyth, Ibis*, 1867, p. 170; *Swinh. t. c.* p. 389 (Amoy), *Stoliczka, J. A. S. Beng.* xli. p. 254 (1872: Cachar); *Hume & Henders. Lahore to Yark.* p. 290 (1873); *Blyth & Wald. B. Burm.* p. 157 (1875: Arakan).

Parra [illegible] (*nec Lath.*), *Hodgs. Icon. ined. in Brit. Mus., Gralla*, p. [illegible] (no. 719), *id. in Gray's Zool. Misc.* p. 86 (1844).

Hydrophasianus chirurgus, *Blyth, Cat. B. Mus. As. Soc.* p. 273 (1849), *Ibis*, 1861, p. 242 (Oudh); *Jerd. B. Ind.* iii. p. 709 (1864), *Swinh. Ibis*, 1865, p. 541 (Formosa), 1866, p. 405 (Takow); *Irvine, Ibis*, 1868, p. 395 (Manbhum); *Godwin-Austen, J. A. S. Beng.* xxxix. p. 274 (1870: Khasia Hills); *Swinh. P. Z. S.* 1871, p. 414 (Hakkow, Amoy coast); *Gray, Hand-l. B.* iii. p. 70 (no. 10540, 1871), *Hoddise. P. Z. S.* 1872, p. 475 (Ceylon); *Hume, Nests & Eggs Ind. B.* p. 502 (1873); *id. Str. F.* i. p. 240 (1873: [illegible]), *Adam, t. c.* p. 397 (Sambhur); *Hayes Lloyd, Ibis*, 1873, p. 418 (Kathiawar); *Sclater, Cec. Born.* p. 343 (1874), *Bali, Str. F.* ii. p. 432 (1874: Chota Nagpur), *Hume, Str. F.* iii. p. 185 (1875: Pegu), *id. t. c.* p. 381 (E. Narra), *Butler, Str. F.* v. p. 20 (1876: Deesa); *Barth t. c.* p. 283 (Deesa); *Cockburn, t. c.* p. 366, *Wenden, Ir. Z. S.* ix. p. 232 (1875: Luzon); *Hume, Str. F.* v. p. 46 (1877: Cachar), *David & Oust. Ois. Chine*, p. 483 (1877: S. China); *Hume & Davis, Str. F.* vi. p. 464 (1878: [illegible]), *Davidson & Wenden, Str. F.* vii. p. 80 (1878: Deccan), *Bail. t. c.* p. 220 (Rajmehal Hills; Lohardugga); *Cripps*

t. c. p. 304 (Faridpur); *Legge, B. Ceylon*, p. 914 (1879); *Hume, Str. F.* viii. p. 113 (1879); *Doig, t. c.* p. 371 (E. Narra); *Tirant, Bull. Comm. Agric. Cochin Chine*, (3) i. p. 159 (1879: Cochin China); *Butler, Cat. B. Sind etc.* p. 66 (1879); *id. Cat. B. S. Bomb. Pres.* p. 79 (1880); *Vidal, Str. F.* ix. p. 86 (1880: S. Konkan); *Forbes, P. Z. S.* 1881, pp. 640, 642; *Butler, Str. F.* ix. p. 431 (1881); *Reid, Str. F.* x. p. 72 (1881: Lucknow); *Scully, Ibis*, 1881, p. 590 (Gilgit River); *Davidson, Str. F.* x. p. 321 (1882: Khandeish); *Oates, Handb. B. Brit. Burm.* ii. p. 360 (1883); *Blasius, J. f. O.* 1884, p. 216 (Bangkan Lake); *Murray, Vertebr. Faun. Sind*, p. 259 (1884); *Vorderm. Nat. Tijdschr. Nederl. Ind.* xliv. Afl. 3, p. 204 (1884); *Seebohm, Ibis*, 1884, p. 268 (Kiukiang); *C. H. T. Marshall, t. c.* p. 424 (Chamba); *Swinh. & Barnes, Ibis*, 1885, p. 134 (Depalpur); *Parker, Ibis*, 1886, p. 188 (Ceylon: breeding); *Cordeaux, Ibis*, 1888, p. 222 (Cashmere); *Elliot, Auk*, v. p. 303 (1888); *Hume, Str. F.* xi. p. 326 (1888: Manipur); *Everett, Journ. Straits Branch. Asiat. Soc.* 1889, p. 203 (S.E. Borneo); *Steere, List B. & Mamm. Philipp.* p. 26 (1890: Mindoro); *Oates, ed. Hume's Nests & Eggs Ind. B.* iii. p. 358 (1890); *Reid, Cat. B. Lucknow Mus.* p. 254 (1890); *Sharpe, Rep. Sci. Results 2nd Yark. Miss., Aves*, p. 136 (1891: Woolar Lake); *Styan, Ibis*, 1891, pp. 330, 502 (Lower Yangtze).

Adult male in breeding-plumage. General colour above dark chocolate-brown with a bronzy gloss; scapulars like the back; entire wing-coverts creamy-white; primary-coverts white; bastard-wing feathers also tipped with black; primaries blackish; the outer one entirely so, the next one white at base of inner web, the white gradually increasing, until on the inner primaries there is only a black tip; secondaries entirely white except the inner ones, which are brown like the back; rump, upper tail-coverts, and tail blackish brown; crown of head and face, as well as the entire throat, pure white; occiput and nape black, extending in a line down the sides of the neck, separating from the throat the golden patch which occupies the whole of the hind-neck; entire under surface of body blackish chocolate; under wing-coverts and axillaries, as well as the quill-lining, white. Total length 20·5 inches, culmen 1·15, wing 7·8, tail 2·4, centre feathers 12, tarsus 2·1.

Adult female. Similar to the male in plumage: "bill bluish; feet pale plumbeous, claws horn-colour; iris brown" (*E. W. Oates*). Total length 21 inches, culmen 1·15, wing 9·5, tarsus 2.

Adult male in winter plumage. Different from the summer plumage. General colour above bronzy-brown, rather more dusky on the lower back, rump, and upper tail-coverts; wing-coverts for the most part white, but the inner, median, and greater coverts browner and crossed with wavy black lines, more or less obsolete on the outer coverts: inner secondaries also slightly varied on the outer web with white and black bars; upper tail-coverts white, freckled and barred with brown or black on the inner web, the longer coverts brown like the centre tail-feathers; remainder of the tail-feathers white; crown of head dark brown; the forehead freckled with hoary white edgings to the feathers; down the hind-neck a band of brown feathers tipped with white and flanked with golden yellow

from the hinder part of the eyebrow down the sides of the neck; lores white, as also the eyelids: from the gape a line of black passing through the eye and joining a black line which traverses the sides of the neck and unites in a somewhat broad collar on the fore-neck; sides of face and entire under surface of body white, tinged with creamy-buff on the throat: "bill dark brown, the basal half of the lower mandible bright yellow; feet dull greenish, claws horn-colour; iris pale yellow" (*E. W. Oates*). Total length 11·5 inches, culmen 1·2, wing 7·1, tail 3.

Adult female in winter plumage. Similar to the male, but somewhat larger. Total length 14 inches, wing 7·9.

Young. Generally resembles the winter plumage of the adults, but is always distinguished by its rufous head, and in the first stage of plumage by the sandy-rufous margin to the feathers of the upper surface; the dusky band of the sides of the neck is feebly indicated and the horseshoe collar on the fore-neck is marked by a few spots of dusky blackish. The white on the primaries is more restricted, but the elongated tips are present.

Hab. The same as that of the genus.

a ♂ ad. sk.	Woolar Lake, Cashmere, July (*F. Stoliczka*).	India Museum.
b Ad. sk.	Deesa, Aug. 24 (*E. A. Butler*).	Hume Coll.
c ♂ juv. sk.	Erinpoorah, Nov. (*Dr. Eddowes*).	Hume Coll.
d ♂ ad; *e, f, g.* ad. sk.	Delhi District, June, July (*W. N. Chill*).	Hume Coll.
h ♂ hiem. sk.	Gurgaon, July 6 (*W. N. Chill*).	Hume Coll.
i, k ♂ ♀ æstiv. sk.	Meerut, Sept. (*A. O. H.*).	Hume Coll.
l Ad. sk.	Allahabad, July.	Hume Coll.
m, n Ad.; *o, p.* Juv. sk.	Etawah.	Hume Coll.
q ♂ ad. sk.	Etawah, July 24.	Hume Coll.
r, s ♂ ad; *t.* ? hiem. sk.	Oudh, May, Aug.	Hume Coll.
u, v ♂ ad.; *w, x.* ♀ hiem.; *y.* Juv. sk.	Oudh.	Pinwill Coll.
z ♂ ad. sk.	Lucknow, May 27.	Colonel Way P.
a ♂ ad. sk.	Mogul Serai, Jan. 8 (*W. E. Brooks*).	Hume Coll.
b ♀ hiem. sk.	Mogul Serai.	Hume Coll.
c, d ♂ ♀ ad. sk.	Bewur, Aug. 13 (*A. Anderson*).	Seebohm Coll.
e, f Ad. hiem.; *g* Juv. sk.	Behar.	Hodgson Coll.
h, i Ad., *k, l* Juv. sk.	Nepal.	Hodgson Coll.
m, n Ad. sk.	Nepal (*B. H. Hodgson*).	India Museum.
o Ad. hiem. sk.	Darjeeling Terai, Dec. (*L. Mandelli*).	Hume Coll.
p, q Ad. et hiem.	East Bengal (*Blyth*).	India Museum.

r'. Hiem. sk.	Cachar.	Hume Coll.
s'. ♂ hiem. sk.	Logtak Lake, Manipur, March 16 (*A. O. H.*).	Hume Coll.
t', *u'*. Ad. sk.	Dacca.	Hume Coll.
v', *w'*. ♂ ad. sk.	Calcutta, May.	Hume Coll.
x'. ♂ juv. sk.	Depalpur, Jan. 7.	Colonel Swinhoe[P.].
y'. ♂ ad.; *z'*. ♀ hiem. sk.	Saugor, July 5.	Hume Coll.
a''. ♂ ad. sk.	Raipur.	Hume Coll.
b''. ♀ juv. sk.	Khandeish.	Tweeddale Coll.
c''. Ad. sk.	Satpura Hills, Northern Khandeish, May.	Hume Coll.
d'', *e''*. Ad. et juv. sk.	Deccan (*Sykes*).	India Museum.
f'', *g''*. Ad. sk.	Madras.	Tweeddale Coll.
h'', *i''*. Ad. et juv. sk.	Ceylon, June, July (*S. Chapman*).	Tweeddale Coll.
k'', *l''*. ♂ ♀ ad. sk.	Cotta, Northern Province, Ceylon, April 10 (*Hart*).	Hume Coll.
m'', *n''*. ♀ ad. sk.	Lower Pegu, April, Aug.	Oates Coll.
o''-q''. ♀ ad. hiem.; *r''*. ♂ juv. sk.	Tonghoo, Dec. to Feb. (*R. G. W. R.*).	Tweeddale Coll.
s'', *t''*. ♂ ♀ hiem. sk.	Thatone, Jan. 9.	Hume Coll.
u''. ♀ juv. sk.	Amherst, Dec.	Hume Coll.
v''. ♀ hiem. sk.	Malacca, Nov. (*Dr. Maingay*).	Tweeddale Coll.
w''. ♀ ad. hiem. sk.	Java (*Diard*).	Salvin-Godman Coll.
x''. ♀ ad. sk.	Hankow, China (*R. Swinhoe*).	Tweeddale Coll.
y''. ♂ ad. sk.	Hankow (*R. S.*).	Salvin-Godman Coll.
z''. ♀ ad. sk.	Hankow (*R. S.*).	Seebohm Coll.
a^3, b^3, c^3. Ad. sk.	Formosa, April, Aug. (*R. S.*).	Seebohm Coll.
d^3. ♀ ad. sk.	Takow, Formosa, June (*R. S.*).	Seebohm Coll.
e^3. Bones of trunk.	Nepal.	Hodgson Coll.

2. METOPIDIUS.

	Type.
Metopidius, *Wagler, Isis*, 1832, p. 279	M. indicus.

Range. Indian Peninsula, not extending to Ceylon. From the N.W. Provinces throughout India to Travancore, east through the Burmese provinces to Siam, reoccurring in Java, Sumatra, and Celebes.

1. Metopidius indicus.

Indian Jacana, *Lath. Gen. Syn. Suppl.* i. p. 257 (1787).

Parra indica, *Lath. Ind. Orn.* ii. p. 765 (1790); *Vieill. N. Dict.* xvi. p. 447 (1817); *Schl. Mus. Pays-Bas*, Ralli, p. 67 (1865: Java; Celebes); *Gray, Hand-l. B.* iii. p. 70, no. 10538 (1871); *Salvad. Ucc. Born.* p. 343 (1874); *Hume, Str. F.* v. p. 46 (1877: Cachar); *Oates, t. c.* p. 165 (Pegu); *Hume & Davison, Str. F.* vi. p. 464 (1878: Tenasserim); *Bill, Str. F.* vii. p. 229 (1878: Ganges to Godaveri); *Cripps, t. c.* p. 304 (Faridpur); *Tiraut, Bull. Comm. Agric. Cochin Chine*, (3) i. p. 159 (1879); *Hume, Str. F.* viii. p. 113 (1879); *Butler, Cat. B. Sind etc.* p. 66 (1879); *id. Cat. B. S. Bomb.*

Pres. p. 79 (1880); *Biogr. Str. F.* ix. p. 197 (1880): The Burgveen Valley; *Butler, t. c.* p. 430 (1881: Mahratta country); *Reid, Str. F.* x. p. 72 (1881: Lucknow); *Lloyd, Ibis*, 1882, p. 470; *Davison, Str. F.* x. p. 415 (1883: Wynaad); *McGregor, t. c.* p. 441 (1887: Deccan); *Hume, Str. F.* xi. p. 326 (1888: Manipur); *Reid, Cat. Lucknow Mus.* p. 252 (1888).

Parra cuprea, *Vieillot, Nouv. Dict. Naturh. Selsk.* 1793, ii. p. 51.

Le Grand Jacana vert à crête, *Temm. Cat. Syst.* p. 177 (1807); *Hartl. Contr. Orn.* 1849, p. 4.

Parra cristata, *Vieill. N. Dict.* xvi. p. 450 (1817).

Parra ænea, *Cuv. Règne Anim.* i. p. 498 (1817); *Less. Traité*, p. 589 (1831); *Forbes, P. Z. S.* 1881, p. 643.

Parra superciliosa, *Horsf. Trans. Linn. Soc.* xiii. p. 194 (1821); *id. Zool. Research. Java*, pl. 64 (1824); *Hodgs. Icon. ined. in Brit. Mus., Gralla*, pl. 110 (no. 570); *id. in Gray's Zool. Misc.* p. 86 (1844).

Parra phœnicura, *Hodgs. Icon. ined. in Brit. Mus., Gralla*, pl. 111 no. 572); *id. in Gray's Zool. Misc.* p. 86 (1844).

Metopidius æneus, *Wagler, Isis*, 1832, p. 279; *Reichenb. Av. Syst. Nat., Fulicariæ*, Taf. 111. figs. 1124–1125 (1852).

Hydralector cristatus, *Wagler, t. c.* p. 280.

Parra arata, *Tickell, J. A. S. Beng.* ii. p. 582 (1833).

Parra melanochloris, *Vieill. Gal. Ois.* ii. p. 264 (1834).

Parra melanoviridis, *Vieill. t. c.* p. 164.

Metopidius indicus, *Gray, List Gralla Brit. Mus.* p. 113 (1844); *id. Gen. B.* iii. p. 589 (1846); *id. Cat. Mamm. etc. Nepal pres. Hodgs.* p. 142 (1846); *Blyth, Cat. B. Mus. As. Soc.* p. 273 (1849: Calcutta); *Irby, Ibis*, 1861, p. 242 (Oudh); *Jerd. B. Ind.* iii. p. 708 (1864); *Blyth, Ibis*, 1867, p. 170; *Beavan, Ibis*, 1868, p. 395 (Manbhoom); *Godwin-Aust. J. A. S. Beng.* xxxix. p. 274 (1870: Khasia Hills); *Blanf. op. cit.* xl. p. 276 (1871: Wardha Valley); *Hume, Nests & Eggs Ind. B.* p. 501 (1873); *Ball, Str. F.* ii. p. 431 (1874: Chota Nagpur); *Hume, t. c.* p. 483; *id. Str. F.* iii. p. 183 (1875: Pegu); *Blyth & Wald. B. Burm.* p. 157 (1875: Arakan); *Butl. Str. F.* iv. p. 19 (1876: Langrez); *Fairb. t. c.* p. 263 (Deccan); *Armstrong, t. c.* p. 348 (Elephant Point); *Anderson, Rep. Zool. Coll. Yun-nan, Aves*, p. 683 (1878: Bhamo); *Oates, Handb. B. Br. Burm.* ii. p. 358 (1883); *Elliot, Auk*, v. p. 290 (1888); *Salvad. Ann. Mus. Genov.* (2) iv. p. 613 (1887: Teinzo); *id. op. cit.* v. p. 621 (1888: Kaukaryit); *Oates, ed. Hume's Nests & Eggs Ind. B.* iii. p. 356 (1890).

Hydrophasianus sinensis (*nec* Gm.), *Schomburgk, Ibis*, 1864, p. 206 (Siam); *Swinh. Ibis*, 1866, p. 293.

Adult male. General colour above glossy olive-bronze, with a slight shade of oil-green; wings glossy oil-green, the tips of the feathers somewhat ashy in worn plumage; bastard-wing, primary-coverts, and quills blue-black, the inner secondaries externally oil-green, and the innermost ones bronzy like the back; lower back, rump, and upper tail-coverts deep maroon, with a gloss of purple; tail chestnut; head all round, neck, and entire underparts black, with a greenish gloss, appearing somewhat purple under certain lights; hinder neck and upper mantle decidedly glossy purple; a broad white streak from above the eye to the sides of the nape; lower flanks maroon like the rump; thighs dingy brown; under tail-coverts chestnut; under wing-coverts like the breast; quill-

lining glossy blue-black: "basal half of upper mandible and frontal shield livid blue, the portion near the gape pink; remainder of upper and whole lower mandible green; a rose-coloured spot on either side of the base of the upper mandible; legs, toes, and claws bluish slate-colour; iris brown" (*E. W. Oates*). Total length 10 inches, culmen 1·4, wing 6, tail 1·7, tarsus 2·5, middle toe and claw 3·6.

Adult female. Similar to the male in colour, but larger. Total length 11·5 inches, culmen 1·45, wing 7, tail 2, tarsus 2·7, middle toe and claw 3·9.

Young. Differs from the adult in colour and in the hairy texture of its plumage, the general colour being oily-green, with sandy-rufous edgings to the feathers; wing-coverts like the back; lower back and rump barred with rufous and dusky black; crown of head chestnut, with a dusky-black patch from the nape to the mantle; sides of face white, as also the throat; breast and abdomen, the ear-coverts, lower throat and fore neck cinnamon-buff; some of the wing-coverts with hoary whitish edgings.

This seems to be the first plumage of the young bird, the description being taken from a specimen still in nestling plumage, in which the tail has not yet appeared. The sandy-coloured edgings to the feathers of the upper parts appear to wear off gradually; the black on the hind neck becomes more defined and shaded with green, inclining to purple on the mantle; the lower back and rump become more definitely purple, the rufous bars being confined to the rump; and the tail is white, varied with zigzag bars of black, the subterminal one following the margin of the feather all round, some few feathers being olive-green externally. The bars on the tail are often found broken up, and a chestnut appearance overspreads them, as the moult approaches; this does not take place till the bird is a year old, according to Mr. Hume.

There is no sign of a winter plumage in this species, and, so far as I can see, the change from the young plumage to that of the adult is effected by a direct moult, without any change in the pattern of the feather whatever.

Hab. The same as that of the genus.

a, b. ♂ juv.; *c.* ♀ juv. sk.	Sankheira, Dec.	Hume Coll.
d. ♀ imm. sk.	Langrez, North Guzerat, Dec. 28 (*E. A. Butler*).	Hume Coll.
e, f, g. ♂ ad.; *h.* ♀ ad. sk.	Gurgaon District, May 4, (*A. O. H.*).	Hume Coll.
i, k. ♀ ad. sk.	Jhansie, Sept.	Hume Coll.
l, m. ♂ ♀ ad. sk.	Allahabad, Aug. (*J. Cockburn*).	Hume Coll.
n, o. Ad. et juv. sk.	Etawah.	Hume Coll.
p, q. ♂ ♀ ad. sk.	Kheree District, Feb. 14 (*A. Anderson*).	Seebohm Coll.
r, ♂ ad.; *s, t.* ♀ ad.; *u.* ♂ juv.; *v, w.* ♀ juv. sk.	Oudh.	Pinwill Coll.
x. ♀ ad. sk.	Mogul Serai, Jan. 8 (*W. E. Brooks*).	Hume Coll.

y, *z*. ♂ ad. et imm.; *a'*. ♀ ad. sk.	Behar.	Hodgson Coll.
b', *c'*. Ad. sk.	Nepal.	Hodgson Coll.
d', *e'*. Juv. sk.	Nepal.	Hodgson Coll. (Types of *P. phanicura*.)
f', *g'*. Ad.; *h'*. Juv. sk.	Nepal (*B. H. Hodgson*).	India Museum.
i'. Ad. sk.	Darjiling.	Tweeddale Coll.
k', *l'*. ♂ ad. et imm.; *m'*, *n'*. ♀ ad. sk.	Buxa Doars, Jan., Feb. (*L. Mandelli*).	Hume Coll.
o', *p'*, *q'*. Ad.; *r'*. Juv. sk.	Bhotan Doars, Nov. to Jan. (*L. Mandelli*).	Hume Coll.
s'. Juv. sk.	Bhotan Terai, Nov. (*L. Mandelli*).	Hume Coll.
t'. ♂ juv. sk.	Dibrughur, Dec. 21 (*J. R. Cripps*).	Hume Coll.
u'. ♀ juv. sk.	North Khasia Hills, Feb. (*A. W. Chennell*).	Tweeddale Coll.
v'. Juv. sk.	Cachar (*J. Inglis*).	Hume Coll.
w', *x'*, *y'*. ♂ ad.; *z'*, *a''*. ♀ ad.; *b''*, *c''*. Imm. sk.	Manipur, Feb. (*A. O. H.*).	Hume Coll.
d'', *e''*. Ad. sk.	Dacca.	Hume Coll.
f'', *g''*. Ad. et juv. sk.	Maunbhum, March (*R. C. Beavan*).	Tweeddale Coll.
h'', *i''*. Ad. et juv. sk.	Raipur.	Hume Coll.
k''. Ad. sk.	Mirzapur, March (*R. Thompson*).	Hume Coll.
l''. Ad. sk.	Saugor.	Hume Coll.
m''. Ad. sk.	Kamptee.	Dr. R. B. Hinde [P.].
n''. Ad. sk.	Coorg.	Tweeddale Coll.
o'', *p''*. Ad. sk.	Madras.	Rev. H.H.Baber [P.].
q''. ♂ ad. sk.	Trevandrum, Travancore, Feb. 7.	F. Bourdillon, Esq. [C.].
r'', *s''*. Juv. sk.	Bhamo, Upper Burma, Feb.	Dr. J. Anderson [C.].
t'', *u''*, *v''*. ♂ ad. et juv.; *w''*–*z''*. ♀ juv. sk.	Tonghoo, Oct. to Feb. (*R. G. W. R.*).	Tweeddale Coll.
*a*³, *b*³. ♂ ad. sk.	Tonghoo.	Tweeddale Coll.
*c*³. Ad. sk.	Rangoon, June 10 (*E. W. Oates*).	Hume Coll.
*d*³. ♀ ad. sk.	Prome Distr., March 10 (*E. W. O.*).	Hume Coll.
*e*³. ♂ ad. sk.	Pegu, August 14.	Oates Coll.
*f*³, *g*³. ♂ ad.; *h*³. ♀ ad. sk.	Kaukaryit, Tenasserim, June to August (*J. Darling*).	Hume Coll.
*i*³. ♂ ad.; *k*³. ♀ juv. sk.	Beeling, Jan. 29 (*W. Davison*).	Hume Coll.
*l*³, *m*³. ♂ ad.; *n*³. ♀ ad. sk.	Theinzeik, Dec., Jan. (*W. D.*).	Hume Coll.
*o*³–*s*³. ♂ ad.; *t*³, *u*³. ♀ ad. et imm. sk.	Thatone, Sept., Dec., Jan. (*W. D.*).	Hume Coll.
*v*³. ♀ ad. sk.	Khayin, Dec., Jan. (*W. D.*).	Hume Coll.
*w*³. ♀ ad. sk.	Ngabeemah, Mar. 8 (*W. D.*).	Hume Coll.
*x*³, *y*³. ♀ ad. sk.	Yeaboo, Attaran River, Dec., March (*W. D.*).	Hume Coll.

z^3. ♂ ad.; a^4, b^4. ♀ ad. et imm. sk.	Assoon, March 3 (*W. D.*).	Hume Coll.
c^4, d^4. ♂ ad. et juv. sk.	Assoon, Feb. (*W. Limborg*).	Tweeddale Coll.
e^4, f^4. ♂ ♀ juv. sk.	Amherst, Dec. 20 (*W. D.*).	Hume Coll.
g^4, h^4. Ad. et juv. sk.	Siam (*Sir R. Schomburgk*).	Gould Coll.
i^4. Ad. sk.	Cambodia, May.	M. Pierre [P.].
k^4, l^4. Ad. sk.	Java (*Dr. Horsfield*).	India Museum. (Types of *Parra superciliosa*.)
m^4. Ad. sk.	Java.	Tweeddale Coll.
n^4. ♀ ad. sk.	Java (*Diard*).	Salvin-Godman Coll.
o^4. Ad. sk.	Sumatra.	Wallace Coll.
p^4, q^4, r^4. Bones of trunk.	Nepal.	Hodgson Coll.

3. PHYLLOPEZUS, gen. nov.

Range. Nearly the whole of Africa and Madagascar.

Key to the Species.

a. Hinder neck black ..... *africanus*, p. 76.
b. Hinder neck white ..... *albinucha*, p. 78.

1. Phyllopezus africanus.

African Jacana, *Lath. Gen. Syn.* iii. pt. 1, p. 246, pl. lxxxvii. (1785).
Parra africana, *Gm. S. N.* i. p. 709 (1788); *Vieill. N. Dict. d'Hist. Nat.* xvi. p. 447 (1817); *Swains. Zool. Illustr.* 2nd ser. pl. 6 (1829); *Less. Traité*, p. 539 (1831); *Rüpp. Syst. Uebers.* p. 126 (1845); *Gray, Gen. B.* iii. p. 509 (1846); *Reichenb. Av. Syst. Nat., Fulicariæ*, Taf. 111. fig. 1121 (1852); *Heugl. Syst. Uebers.* p. 64 (1856: Tana Lake); *Hartl. Orn. W.-Afr.* p. 240 (1857: Gaboon; Mozambique); *Brehm, J. f. O.* 1858, p. 470; *Cass. Proc. Philad. Acad.* 1859, p. 174 (Camma River); *Gurney, Ibis*, 1859, p. 249 (Natal), 1860, p. 221; *Hartl. J. f. O.* 1861, p. 271 (St. Thomas; Bissao); *id. Faune Madag.* p. 79 (1861: W. Madagascar); *Gurney, Ibis*, 1862, p. 38; *Antin. Cat. descr. Uce.* p. 110 (1864: Rozeres); *Kirk, Ibis*, 1864, p. 334 (Zambesi); *Bianconi, Spec. Zool. Mosamb.* xvi. p. 327 (1865); *Mont. P. Z. S.* 1865, p. 90 (Benguela); *Schl. Mus. Pays-Bas*, Ralli, p. 69 (1865: Gold Coast; Elmina; Algoa Bay); *id. P. Z. S.* 1866, p. 425; *Layard, B. S. Afr.* p. 335 (Cape Colony); *Grandid. Rev. et Mag. de Zool.* 1868, p. 4 (N.W. coast of Madagascar); *Schl. & Poll. Faune Madag., Ois.* p. 137 (1868); *Sharpe, Ibis*, 1869, p. 388 (Fantee); *Finsch & Hartl. Vög. Ostafr.* p. 781 (1870); *Gray, Hand-l. B.* iii. p. 70, no. 10535 (1871); *Gurney in Anderss. B. Dam. Ld.* p. 328 (1872: Damara to Lake Ngami); *Garrod, P. Z. S.* 1873, pp. 469, 641; *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1216 (1873: N.E. Africa to 14° N. lat.); *Ussher, Ibis*, 1874, p. 74; *Reichen. J. f. O.* 1874, p. 375 (Wuri River); *Shelley, Ibis*, 1875, p. 86 (Durban); *Garrod, P. Z. S.* 1875, p. 348; *Reichen. J. f. O.* 1877, p. 12 (Loango); *Hartl. Vög. Madag.* p. 354 (1877); *Fischer & Reichen. J. f. O.* 1878, p. 248 (Malindi), 1879, p. 338 (Tschara); *Oust. Nouv. Arch. Mus.* (2) ii. *Bull.* p. 115 (1879: Lake Silé); *Bocage, Orn. Angola*, p. 477 (1881); *Hartl. Abhandl. nat. Ver. Brem.* vii. p. 119 (1881: Lado); *Milne-Edw. & Grandid. N. H. Madag., Ois.* p. 581 (1882); *Forbes, P. Z. S.* 1881, pp. 640, 642; *Holub & von Pelz. Beitr. Orn. Südafr.* p. 296 (1882: Panta-

matenka); *Shelley, Ibis*, 1882, p. 367 (Kooroomoorooi Pan); *Bohm, J. f. O.* 1882, p. 188 (Kakoma); *Schalow, J. f. O.* 1883, p. 340 (Zanzibar); *Sharpe, Journ. Linn. Soc., Zool.* xvii. p. 441 (1884: Muschra Req); *id. ed. Layard's B. S. Afr.* p. 648 (1884); *Fischer, Zeitschr. ges. Orn.* i. p. 387 (1884: Naiwascha Lake); *Salvad. Ann. Mus. Civ. Genov.* (2) i. p. 225 (1884: Shoa); *Bohm, J. f. O.* 1885, p. 38 (Gonda); *Fischer, t. c.* p. 117 (Kipini; Barawa; Ungu); *Hartert, J. f. O.* 1886, p. 407 (Benue R.); *Ayres, Ibis*, 1887, p. 62 (Mashupan R.); *Reichen. J. f. O.* 1887, p. 48 (Victoria Nyanza); *Matschie, t. c.* p. 145 (E. of Kagehi; Lufira; M'buga; Luvua; Upamba Lake); *Reichen. t. c.* p. 280 (Manyanga); *Shelley, Ibis*, 1888, p. 304 (Jipi); *Reichen. J. f. O.* 1889, p. 208 (Quilimane), 1890, p. 108 (Cameroons).

Nectopidius africanus, *Wagler, Isis*, 1832, p. 279; *Gray, List Gralla Brit. Mus.* p. 114 (1844: Gambia); *Ossat. Bull. Soc. Philom.* (7) i. p. 107 (1877); *Shelley, P. Z. S.* 1881, p. 601 (Pangani); *Elliot, Auk*, v. p. 301 (1888).

Adult. General colour above cinnamon-rufous or chestnut; lower back, rump, and upper tail-coverts maroon-chestnut: wing-coverts like the back, the bastard-wing feathers blackish, externally more or less chestnut; primary-coverts blackish, with chestnut bases; primaries black, the secondaries blackish, with rufous bases, the rufous colour increasing towards the innermost secondaries, which are entirely chestnut like the back; tail maroon-chestnut, with dusky ends; lores, eyebrow, hinder crown, nape, and hind-neck black, forming a narrow band down the latter; sides of face and sides of neck white, as well as the throat, gradually shading off into the golden straw-colour of the sides of the neck and fore-neck, the sides of the latter barred with black; remainder of the under surface of the body deep maroon-chestnut; the under wing-coverts like the breast, the lower primary-coverts blackish; quill-lining black, with a steel-blue gloss; "frontal shield, bill, and feet beautiful leaden blue; bare orbits pale yellow; iris sometimes pearly white, sometimes brown" (*Heuglin*). Total length 10 inches, culmen with frontal shield 2·3, wing 6·5, tail 4·85, tarsus 2·6, middle toe and claw 3·5.

Young. Differs from the adult in being bronzy oil-green above, with rufous edges to the feathers; rump and upper tail-coverts dingy bronze, washed with maroon; tail bronzy brown; head and neck brown, becoming a little blacker on the latter; facial markings as in the adult, but the loral streak brown instead of black; under surface entirely white; the sides of the body and flanks as well as the under wing-coverts maroon-chestnut; sides of the fore-neck straw colour, but not so golden as in the adult.

South-African birds seem to be rather larger than those from West Africa and North-east Africa; the female is perceptibly larger than the male. Thus a female from Lamu measures: total length 9·5 inches, culmen and frontal shield 2·1, wing 5·6, tail 2·6, tarsus 2·4, middle toe and claw 3·15.

A female from Durban measures: total length 10·5 inches, culmen and frontal shield 2·2, wing 6·8, tail 2·25, tarsus 2·8, middle toe and claw 3·2.

Hab. The greater part of Africa.

a. Ad. st.	Gambia.	Old Coll.
b. Juv. sk.	Gambia.	Rev. D. Morgan [P.].
c, *d*. Ad. sk.	Gold Coast.	Shelley Coll.
e, *f*, *g*. Ad. sk.	Fantee (*H. T. Ussher*).	Shelley Coll.
h. Juv. sk.	Amissah River (*H. T. Ussher*).	Shelley Coll.
i. ♂ ad.; *k*. ♀ juv. sk.	Accra, May (*J. Smith*).	Shelley Coll.
l. Ad. sk.	River Volta (*H. T. Ussher*).	Shelley Coll.
m. Ad. sk.	Shonga, River Niger.	Capt. Ferryman [P.].
n. Ad. sk.	Gaboon (*P. B. Duchaillu*).	Tweeddale Coll.
o. Ad.; *p*. Juv. sk.	Rio Dande, Angola, Jan. 23 (*Sala*).	Sharpe Coll.
q. Ad. sk.	Benguela.	Monteiro Coll.
r. ♂ ad. sk.	Shoa, July (*Sir W. Harris*).	India Museum.
s. Ad. st.	Fazogloa.	Old Coll.
t. Ad. sk.	White Nile (*Consul Petherick*).	Tweeddale Coll.
u. Ad. sk.	Muschra Req, Niam-niam Country, Dec.	F. Bohndorff [C.].
v, *w*. Ad. sk.	Muschra Req, Dec. (*F. Bohndorff*).	H. O. Forbes, Esq. [P.].
x. ♂ ad. sk.	Lake Jipi.	F. J. Jackson, Esq. [P.].
y, *z*. Ad. sk.	Pangani (*Sir J. Kirk*).	Shelley Coll.
a', *b'*. Ad. et imm. sk.	Upper Shiré River, Nov. (*A. Whyte*).	H. H. Johnston, Esq., C.B. [P.].
c'. Ad. sk.	Lake Shirwa, Dec. 10 (*A. Whyte*).	H. H. Johnston, Esq., C.B. [P.].
d'. Ad.; *e'*, *f'*. Imm. sk.	Tete, Zambesi (*Sir J. Kirk*).	Livingstone Exped.
g', *h'*. Ad. et juv. sk.	Zambesi.	Sir J. Kirk [P.].
i'. Ad. sk.	Makalaka Country (*Dr. Bradshaw*).	Shelley Coll.
k'. ♀ ad. sk.	Mashupan River, Transvaal, July 3 (*T. Ayres*).	Gurney Coll.
l', *m'*. Ad. sk.	Natal (*T. Ayres*).	Tweeddale Coll.
n'–*q'*. Ad. sk.	Durban, Natal (*Gordge*).	Shelley Coll.
r'. Ad. sk.	Kingwilliamstown.	Major Trevelyan [C.].

2. Phyllopezus albinucha.

Parra albinucha, *Is. Geoffr. Rev. et Mag. de Zool.* 1832, *Aves*, pl. 6; *Guérin, Iconogr. Règne Anim., Ois.* pl. lvii. fig. 1 (1844); *Gray, Gen. B.* iii. p. 589 (1846); *Reichenb. Av. Syst. Nat., Fulicariæ*, Taf. 111. fig. 1123 (1852); *Hartl. Faun. Madag.* p. 78 (1861); *Roch & E. Newt. Ibis*, 1863, p. 172; *E. Newt. t. c.* p. 458; *Schl. Mus. Pays-Bas*, Ralli, p. 70 (1865); *id. P. Z. S.* 1866, p. 425; *Grandid. Rev. et Mag. de Zool.* 1868, p. 4; *Schl. & Poll. Faun. Madag., Ois.* p. 136 (1868); *Finsch & Hartl. Vög. Ostafr.* p. 783, note (1870); *Gray, Hand-l. B.* iii. p. 70, no. 10537 (1871); *Hartl. Vög. Madag.* p. 352 (1877); *Milne-Edw. & Grandid. N. H. Madag., Ois.* p. 579, pls. 237, 238, 239 (1882).

Parra atricollis, *Swains. An. in Menag.* p. 334 (1837).

Metopidius albinucha, *Gray, List Grallæ Brit. Mus.* p. 114 (1844); *Cab. in Von den Decken's Reis.* iii. p. 50 (1869); *Bartlett, P. Z. S.* 1875, p. 68 (Tamatave); *Elliot, Auk*, v. p. 300 (1888).

Adult. General colour above cinnamon-rufous, the wings like the back; bastard-wing feathers blackish with rufous centres, the primary-coverts entirely rufous; primaries black, the secondaries rufous like the back, the outer ones blackish at the end of the outer web; rump white, somewhat mixed with rufous where it adjoins the back; upper tail-coverts and tail chestnut, with blackish tips to the feathers; head for the most part bare, the hinder crown and occiput black; nape, hind-neck, and sides of neck pure white, the latter washed with straw-colour; a small black patch on the top of the mantle; sides of face and ear-coverts, as well as the entire throat and fore-neck, black; chin whitish; remainder of under surface deep cinnamon-rufous or chestnut, with a large patch of white on the lower flanks; under wing-coverts and axillaries like the breast, the latter with ashy brown bases: "bill, frontal shield, and feet pearly grey; iris clear brown" (*A. Grandidier*). Total length 10·5 inches, culmen and frontal shield 2·1, wing 6, tail 1·9, tarsus 2·4, middle toe and claw 3·3.

Young birds, according to MM. Milne-Edwards and Grandidier, are paler in colour, have the top of the head and nape black varied with white; the neck white, as well as the greater part of the face; the back and tail-coverts are rufous, slightly washed with greenish. The frontal shield is smaller than in the adult.

Hab. Madagascar.

a. Ad. st.	Madagascar.	M. Guérin [P.].
b. Ad. sk.	Madagascar.	M. Guérin [P.].
c. Juv. sk.	Madagascar (*Bewsher*).	Shelley Coll.
d. Skeleton.	Madagascar.	Purchased.
e. Skeleton.	Madagascar.	Salvin-Godman Coll.

4. HYDRALECTOR.

Type.

Hydralector, *Wagler*, *Isis*, 1832, p. 280 ..... H. gallinaceus.

Range. Australia and New Guinea; Celebes; S.E. Borneo.

1. Hydralector gallinaceus.

Parra gallinacea, *Temm. Pl. Col.* v. pl. 464 (c. 1831); *Less. Traité*, p. 539 (1831); *Gray, Gen. B.* iii. p. 589 (1846); *Gould, B. Austr.* vi. pl. 75 (1843); *Gray, P. Z. S.* 1860, pp. 305, 438 (Banda*); *Gould, Handb. B. Austr.* ii. p. 330 (1865); *Ramsay, Ibis*, 1865, p. 305 (Rockhampton; Clarence River); *id. Ibis*, 1867, p. 417, pl. ix. fig. 3 (egg): *id. P. Z. S.* 1877, p. 344 (Queensland); *id. Proc. Linn. Soc. N.S.W.* ii. p. 190 (1878); *Masters, t. c.* p. 275 (Port Darwin); *Ramsay, Tab. List Austr. B.* p. 21 (1888); *North, Nests & Eggs Austr. B.* p. 327 (1889); *Cox & Hamilton, Proc. Linn. Soc. N.S.W.* (2) iv. p. 421 (1889: Mudgee district); *Büttik. in Max Weber, Zool. Ergeb. Reis. Nederl. Ost-Ind.* p. 306 (1893).

Hydralector gallinaceus, *Wagler, Isis*, 1832, p. 280; *Walden, Tr. Z. S.* viii. p. 92 (1872: Menado; Makassar); *Meyer, Ibis*, 1879, p. 141 (Limbotto); *Forbes, P. Z. S.* 1881, p. 647; *Blasius, J. f. O.*

* I have not found Mr. Gray's authority for this locality.

1884, p. 216 (Lake Bankan, S.E. Borneo); *Kutter, t. c.* p. 226 (egg); *Elliot, Auk*, v. p. 302 (1888); *Everett, Journ. Straits Branch Asiat. Soc.* 1889, p. 204.

Metopidius gallinaceus, *Gray, List Grallæ Brit. Mus.* p. 114 (1844).

Hydralector cristatus (*nec V.*), *Reichenb. Av. Syst. Nat., Fulicariæ*, Taf. 112. figs. 1126–29 (1852); *Garrod. P. Z. S.* 1873, p. 34.

Parra cristata (*nec V.*), *Schl. Mus. Pays-Bas*, Ralli, p. 68 (1865: Gorontalo; Limbotto; Wawou); *Gray, Hand-l. B.* iii. p. 70, no. 10539 (1871).

Hydralector novæ-hollandiæ, *Salvad. Orn. Papuasia etc.* iii. p. 309 (1881); *Ramsay, Tab. List Austr. B.* p. 21, note (1888).

Adult. General colour above bronzy brown, more dingy on the lower back and rump; upper tail-coverts and tail black, all but the centre tail-feathers white at base; wing-coverts like the back; marginal coverts, bastard-wing, primary-coverts, and quills black, with a slight bluish gloss; inner secondaries bronzy brown like the back; forehead behind the lappet to centre of crown, sides of face, and sides of neck golden straw-colour; throat white, inclining to golden straw-colour on the fore-neck; an infra-loral streak of black from the fore part of the cheeks to the fore part of the eye; hinder crown black, extending in a broad line down the hind-neck and overspreading the upper mantle; chest, breast, and sides of body, as well as the under wing-coverts and axillaries, sooty black; entire abdomen, lower flanks, thighs, and under tail-coverts white; quills glossy black below: "bill greenish grey at the extreme tip, then black to near the nostrils; the basal portion of the upper mandible and the helmet aurora-red; base of the lower mandible light primrose-yellow; fore part of tibia red, with a mixture in patches of yellow and greenish grey; iris light sulphur-yellow; eyelash light ash-grey" (*J. Gould*). Total length 9 inches, culmen with frontal lappet 1·8, wing 5·6, tail 1·6, tarsus 2·4, middle toe and claw 3·6.

Adult female. Resembles the male in colour, but is decidedly larger; a male from Port Essington measures 7 inches in length and has the wing 4·7, while a female from the same place measures 8·5 inches in length and has the wing 5·6.

Young. Differs considerably from the adult. General colour olive-brown above, the feathers with sandy-rufous margins; crown of head bright rufous; under surface of body entirely white.

Hab. Australia; Celebes; S. Borneo.

a. Ad.; *b.* Juv. st.	Australia.	J. Gould, Esq.
c, d. Ad. st.	New South Wales.	Australian Museum.
e, f, g. Ad. sk.	Queensland (*J. T. Cockerell*).	Salvin-Godman Coll.
h. Juv. sk.	Queensland.	Tweeddale Coll.
i, k. ♂ ♀ ad. sk.	Port Essington, Nov.	J. B. Jukes, Esq. [P.].
l. ♀ ad. sk.	N.W. Australia (*T. H. Bowyer Bower*).	Capt. Bowyer Bower [P.].
m. Ad. sk.	Menado, Celebes.	Tweeddale Coll.
n, o. ♂ ad.: *p, q, r.* ♀ ad. sk.	Makassar.	Wallace Coll.
s. Ad. sk.	Makassar.	Tweeddale Coll.

2. Hydralector novæ-guineæ.

Parra gallinacea (*nec T.*), *D'Albert. P. Z. S.* 1875, p. 30; *id. Ann. Mus. Genov.* viii. p. 799 (1875).
Parra cristata (*nec V.*), *Sharpe, Journ. Linn. Soc., Zool.* xii. p. 505 (1877: Laloke River).
Parra novæ-guineæ, *Ramsay, Proc. Linn. Soc. N.S.W.* iii. p. 298 (1878: Port Moresby), iv. p. 102 (1879); *Salvad. Ibis*, 1879, p. 327.
Hydralector gallinaceus (*nec T.*), *Salvad. Orn. Papuasia etc.* iii. p. 308 (1882).

Adult. Similar to *H. gallinaceus*, but darker and more olive-green above, without the bronzy shade; the blue-black colour of the hind-neck overspreading not only the mantle but the upper back as well; the wing-coverts sooty black, nearly as dark as the breast. Total length 7·8 inches, culmen with frontal lappet 1·7, wing 5, tail 1·35, tarsus 2·1, middle toe and claw 3·1.

According to Mr. Ramsay, the female is one fifth larger than the male.

Young birds differ in the same way as in *H. gallinaceus*, being white underneath with a rufous head.

Hab. New Guinea.

a, *b*. Ad. et juv. ak.	Port Moresby.	A. Goldie [C.].

5. JACANA.

	Type.
Parra, *Linn. Syst. Nat.* i. p. 259 (1766, pt.)	J. jacana.
Jacana, *Schäffer, Elem. Orn.* fol. 2 B, pl. vii. figs. 1, 2 (1774: *ex Briss.*).....	J. jacana.

(*Cf.* Stejneger, Auk, ii. p. 338, 1885.)

Fig. 9.—Head of *Jacana jacana*, to show form of lappet and facial wattles.

Range. The greater part of South America, north of Patagonia and Chili, extending into Panama.

Key to the Species.

a. Back and wing-coverts rufous; under surface of body blackish; sides of body and under wing-coverts rufous, all the inner secondaries being rufous like the back ..... *jacana*, p. 82.

b. Back and wing-coverts deep maroon chestnut; inner secondaries with blackish centres, the longer ones entirely purplish black; under surface of body blackish, dark maroon on the sides of the body, axillaries, and under wing-coverts; the marginal coverts and the lower primary-coverts black..... *melanopygia*, p. 84.

c. Entirely greenish black above and below, including the inner secondaries and under wing-coverts ..... *nigra*, p. 84.

1. Jacana jacana.

The Spur-winged Water-hen of Brazil, *Edwards, Gleanings*, iii. p. 305, pl. 357 (1764).

Le Chirurgien brun, *Briss. Orn.* v. p. 125, pl. xi. fig. 1 (1760).

Parra jacana, *Linn. Syst. Nat.* i. p. 259 (1766); *Gm. S. N.* i. p. 707 (1788); *Lath. Ind. Orn.* ii. p. 762 (1790); *Vieill. N. Dict.* xvi. p. 446 (1817); *Neuwied, Beitr. Naturg. Bras.* iv. p. 786 (1833); *Gray, List Grallæ Brit. Mus.* p. 113 (1844); *id. Gen. B.* iii. p. 589 (1846); *Hartl. Ind. Azara*, p. 24 (1847); *Burm. Th. Bras.* iii. p. 394 (1856); *Scl. P. Z. S.* 1856, p. 282; *id. P. Z. S.* 1860, p. 290 (Babahoyo); *Burm. Reis. La-Plata St.* ii. p. 506 (1861: Tucuman); *E. C. Taylor, Ibis*, 1864, p. 96 (Orinoco); *Scl. Mus. Pays-Bas*, Ralli, p. 66 (1865: Cayenne; Demerara); *Léot. Ois. Trinid.* p. 486 (1866); *Scl. & Salv. P. Z. S.* 1866, p. 200 (Nauta); *iid. P. Z. S.* 1868, p. 145 (Conchitas), 1869, p. 252 (Venezuela); *Pelz. Orn. Bras.* pp. 313, 458 (1871); *Gray, Hand-l. B.* iii. p. 70, no. 10530 (1871); *Scl. & Salv. Nomencl. Av. Neotr.* p. 142 (1873); *Lee, Ibis*, 1873, p. 137 (Argentina); *Scl. & Salv. Ibis*, 1873, p. 309 (Upper Amazonia); *Layard, Ibis*, 1873, p. 396 (Para); *Hudson, P. Z. S.* 1876, p. 103 (habits); *Taczan. P. Z. S.* 1877, p. 329 (Pozo de Lambedero, Peru); *Durnf. Ibis*, 1877, p. 196 (Buenos Ayres); *W. A. Forbes, P. Z. S.* 1881, p. 642, 647 (anatomy); *id. Ibis*, 1881, p. 359 (Pernambuco); *White, P. Z. S.* 1882, p. 627 (Tucuman); *Berl. Ibis*, 1884, p. 440 (Angostura); *Taczan. Orn. Pérou*, iii. p. 331 (1884); *Barrows, Auk*, i. p. 277 (1884: Uruguay); *Salvin, Ibis*, 1886, p. 177 (Brit. Guiana); *Macfarlane, Ibis*, 1887, p. 309 (Guayaquil); *Scl. & Hudson, Argent. Orn.* ii. p. 163 (1889); *Graham Kerr, Ibis*, 1891, p. 270 (Rio Pilcomayo); *Aplin, Ibis*, 1894, p. 205 (Rio Negro, Uruguay).

Jacana, *Daubent. Pl. Enl.* ix. pl. 322; *Buff. Hist. Nat. Ois.* viii. p. 186 (1781).

Chesnut Jacana, *Lath. Gen. Hist.* iii. pt. 1, p. 241 (1785).

Aguapeazo, *Azara, Apunt.* iii. p. 257 (1802).

Aguapeazo blanco de baxo, *Azara, t. c.* p. 262 (juv.).

Parra jassana, *Cab. in Schomburgk's Reis. Guian.* iii. p. 759 (1848).

Parra intermedia, *Sclater, P. Z. S.* 1856, p. 252; *Gray, Hand-l. B.* iii. p. 70, no. 10534 (1871).

Parra spinosa (*nec L.*), *Ridgw. Water-B. N. Amer.* i. p. 175 (1884).
Jacana spinosa, *Stejn. Auk*, ii. p. 338 (1885, *ex Linn.*).
Jacana jacana, *Elliot, Auk*, v. p. 294 (1888); *Riker & Chapm. Auk*, viii. p. 163 (1891: Santarem).

Adult. General colour above rich chestnut, inclining to maroon on the mantle; wing-coverts all maroon; bastard-wing and primary-coverts black; quills sulphur-yellow, with black margins at the ends, the primaries also margined with black for the greater part of the outer web; inner secondaries like the back; rump, upper tail-coverts, and tail maroon-chestnut, the latter with dusky-brown margins to the feathers; head all round and neck black, with a green gloss, extending over the mantle on the upper parts; entire under surface of body greenish black, under wing-coverts and axilliaries as well as the sides of the body maroon-chestnut: "bill bright orange; wing-spur wax-yellow; feet lead-colour, washed with olive-green near the feathered part; lappets on head dark lake-red; iris pale yellow" (*Neuwied*). Total length 7·8 inches, culmen with frontal shield 1·65, wing 4·9, tail 1·45, tarsus 2·2, middle toe and claw 2·9.

Young. Different from the adult. Above dull bronzy brown, with sandy-rufous edgings to many of the feathers; rump, upper tail-coverts, and tail dusky brown; wing-coverts ashy brown, the greater series edged with sandy rufous, the marginal ones chestnut; bastard-wing and primary-coverts black; quills paler yellow than in the adult, and with broader dusky tips; inner secondaries like the back; head dusky brown; neck blackish, slightly overspreading the mantle; a broad eyebrow and sides of face white, with a black line skirting the ear-coverts from behind the eye; entire under surface of body white, with a sandy-buff shade on the fore-neck and chest; under wing-coverts and sides of body maroon; marginal coverts and lower primary-coverts dusky brown edged with white: "upper mandible green, the lower one yellow; legs verditer; iris yellow" (*E. L. Layard*).

Hab. South America, from the Argentine Republic north to Ecuador and British Guiana.

a. Ad. st.	South America.	Purchased.
b. Ad. st.	British Guiana.	Sir R. Schomburgk [C.].
c. Ad. sk.	British Guiana.	Col. Strachan [P.].
d. ♂ ad. sk.	Carimang River, British Guiana, Nov. (*H. Whitely*).	Salvin-Godman Coll.
e. ♂ ad. sk.	Quonga, British Guiana, Oct. (*H. Whitely*).	Salvin-Godman Coll.
f. Ad. sk.	River Amazon (*A. R. Wallace*).	Salvin-Godman Coll.
g. ♂ ad. sk.	Para, Nov. (*W. Harrison*).	Voy. H.M.S. 'Amethyst.'
h, i. ♂ ad. et juv. sk.	Para, Dec. (*E. L. Layard*).	Tweeddale Coll.
k. Ad. sk.	Maranham (*R. Wendeborn*).	Salvin-Godman Coll.
l. Ad. sk.	River Tocantins, Sept. (*A. R. Wallace*).	Salvin-Godman Coll.

m. ♂ ad. sk.	Pebas, Upper Amazonia, July 13 (*J. Hauxwell*).	Salvin-Godman Coll.
n. Pull. sk.	Elvira, Upper Amazonia (*J. Hauxwell*).	Salvin-Godman Coll.
o. Ad. sk.	Yauayacu, Ecuador (*C. Buckley*).	Salvin-Godman Coll.
p. Ad. sk.	Salinas, Bolivia, May 9 (*R. Pearce*).	Salvin-Godman Coll.
q. Juv. sk.	Brazil.	M. Claussen [P.].
r. Juv. sk.	Chapada, Matto Grosso, Nov. 17 (*D. W. Smith*).	Salvin-Godman Coll.
s. ♀ ad. sk.	Cachocira, Feb. (*D. W. Smith*).	Salvin-Godman Coll.
t. ♂ ad. sk.	Corumba, March 11 (*D. W. Smith*).	Salvin-Godman Coll.
u, *v*. Ad.; *w*, *x*. Juv. sk.	Pernambuco (*W. A. Forbes*).	Salvin-Godman Coll.
y. ♀ ad. sk.	Caiçara, Nov. (*J. Natterer*).	Salvin-Godman Coll.
z, *a'*. Ad.; *b'*. Juv. sk.	Bahia (*Dr. Wucherer*).	Salvin-Godman Coll.

2. Jacana melanopygia.

Parra melanopygia, *Sol. P. Z. S.* 1856, p. 283 (Santa Marta); *id. & Salvin, P. Z. S.* 1864, p. 372 (Panama); *Salvin, P. Z. S.* 1867, p. 161 (Santa Fé, Veragua); *id. P. Z. S.* 1870, p. 218 (Calobre; Castillo); *Gray, Hand-l. B.* iii. p. 70, no. 10533 (1871).

Adult male. Similar to *J. jacana* in colour, but much darker and more maroon-chestnut above, and differing in the greater amount of black, which overspreads the lower breast, abdomen, and under tail-coverts; the axillaries and under wing-coverts deep maroon, but the marginal lower coverts and lower primary-coverts black; inner secondaries centred with black, the longer ones entirely purplish black. Total length 8·5 inches, culmen and frontal shield 1·9, wing 8·4, tail 1·7, tarsus 2·4, middle toe and claw 2·9.

This species closely resembles *Asarcia variabilis*, and is approached by examples of the latter bird from Guatemala and Nicaragua, which are darker in colour than the majority of specimens from Mexico. It shows, moreover, a decided approach to *J. nigra*, as regards the colouring of the under surface, but is not so entirely black as the last-named species.

Hab. Panama to U.S. Colombia.

a. ♂ ad. sk.	Castillo, Veragua (*E. Arcé*).	Salvin-Godman Coll.
b. ♂ ad. sk.	Calobre, Veragua (*E. Arcé*).	Salvin-Godman Coll.
c, *d*. Juv. sk.	Santa Fé, Veragua (*E. Arcé*).	Salvin-Godman Coll.

3. Jacana nigra *.

Le Chirurgien noir, *Briss. Orn.* v. p. 124 (1760).
Black Jacana, *Lath. Gen. Syn.* iii. pt. 1, p. 242 (1785).

---

* *Parra brasiliensis* of Gmelin is sometimes quoted as a synonym of this species, but, I think, wrongly. It is founded on the "*Jacana armé*" of Brisson, which is in turn derived from Marcgrave. The bird is said to be entirely

Parra nigra, *Gm. Syst. Nat.* i. p. 708 (1788); *Lath. Ind. Orn.* ii. p. 762 (1790); *Vieill. N. Dict. d'Hist. Nat.* xvi. p. 450 (1817); *Gray, List Gralle Brit. Mus.* p. 112 (1844); *Schl. Mus. Pays-Bas*, Ralli, p. 65 (1865).

Parra hypomelæna, *Gray, Gen. B.* iii. p. 589, pl. clix. (1846); *Scl. P. Z. S.* 1856, p. 283 (Bogota, Carthagena, Chiriqui); *Salvin, P. Z. S.* 1870, p. 218 (Calobre); *Wyatt, Ibis*, 1871, pp. 116, 383; *Scl. & Salvin, Nomencl. Av. Neotrop.* p. 142 (1873); *id. P. Z. S.* 1879, p. 546 (Antioquia); *Berlepsch, J. f. O.* 1884, p. 320 (Lake Paturia, Bucarramanga); *id. J. f. O.* 1889, p. 320 (Ucayali R.).

Jacana nigra, *Elliot, Auk*, v. p. 296 (1888).

Adult male. General colour above greenish black, with more or less of a chocolate-brown tinge on the wings, scapulars, and inner secondaries; bastard-wing and primary-coverts black, quills sulphur-yellow fringed with blackish at the ends, the outer primaries also edged with blackish; the innermost secondaries like the back; head all round and entire under surface of body black with a greenish gloss, including the under wing-coverts and axillaries. Total length 7·5 inches, culmen and frontal shield 1·65, wing 5, tail 1·7, tarsus 1·2, middle toe and claw 2·9.

Adult female. Similar to the male but larger. Total length 10 inches, culmen and frontal shield 1·8, wing 5·3, tail 1·9, tarsus 2·25, middle toe and claw 3.

The typical specimens of this species from Bogota show little or no trace of either purplish brown or chestnut-colour on the back and wings. This, however, is somewhat visible in an example from Antioquia, but is much more evident in the specimens from Veragua, which are strongly tinged with purplish or reddish brown on the upper surface.

Hab. From Panama to Colombia and Venezuela.

a. Ad.; *b.* Juv. ak.	Lion Hill, Panama (*J. McLeannan*).	Salvin-Godman Coll.
c. Juv. ak.	Panama.	Tweeddale Coll.
d, e, f. Ad.; *g.* ♂ juv. ak.	Calobre, Veragua (*E. Arcé*).	Salvin-Godman Coll.
h. ♀ ad. ak.	Antioquia, U.S. Colombia (*T. K. Salmon*).	Salvin-Godman Coll.
i. ♀ ad. ak.	Bogota (*Crowther*).	Salvin-Godman Coll.
k, l. Ad.; *m.* Juv. ak.	Bogota.	Purchased.

---

black, but no mention is made of the colour of the wings, or of the spur. If a Jacana at all, it is probably the Brazilian species, but the name is too doubtful to be quoted as a synonym, and had better be dropped altogether. Equally uncertain is the name of *Parra viridis* of Gmelin, which may perhaps belong really to *Ionornis martinica*. The following is the synonymy which pertains to it:—

Le Jacana, *Briss. Orn.* v. p. 121 (1760).
Jacana vert, *Buff. Hist. Nat.* viii. p. 189 (1781).
Green Jacana, *Lath. Gen. Syn.* iii. pt. 1, p. 243 (1785).
Parra viridis, *Gm. Syst. Nat.* i. p. 708 (1788).

6. ASARCIA.

Fig. 10.—Head of *Asarcia*, to show form of lappet.

1. Asarcia variabilis.

The Spur-winged Water-hen, *Edwards, Nat. Hist. Birds*, i. p. 48, pl. 48 (1743).
Parra variabilis, *Linn. Syst. Nat.* i. p. 260 (1776).
Jacana du Brésil, *Daubent. Pl. Enl.* ix. pl. 846.
Le Jacana varié, *Buff. Hist. Nat. Ois.* viii. p. 192 (1781).
Parra jacana (*nec Linn.*), *Shaw, Gen. Zool.* xii. pt. 1, p. 263 (1824); *D'Orb. in Ramon de la Sagra's Hist. Nat. Cuba, Ois.* p. 249 (1840); *Brewer, Proc. Bost. Soc. Nat. Hist.* vii. p. 308 (1860); *Gundl. J. f. O.* 1875, p. 338 (Cuba); *id. Anal. Soc. Esp. Hist. Nat.* vii. p. 385 (1878: Porto Rico).
Parra gymnostoma, *Wagler, Isis*, 1831, p. 517; *Gray, Gen. B.* iii. p. 589 (1846); *Scl. P. Z. S.* 1856, p. 283, 1857, p. 206 (Jalapa), 1858, p. 360 (Honduras); *Moore, P. Z. S.* 1859, p. 64 (Belize, &c.); *Scl. & Salv. Ibis*, 1860, p. 231 (Belize; Peten); *G. C. Taylor, Ibis*, 1860, p. 314 (Honduras); *Schl. Mus. Pays-Bas*, Ralli, p. 66 (1865); *Salv. Ibis*, 1870, p. 116 (Costa Rica); *id. P. Z. S.* 1870, p. 218; *Gray, Hand-l. B.* p. 70, no. 10532 (1871); *Scl. & Salv. Nomencl. Av. Neotr.* p. 142 (1873); *Lawr. Mem. Bost. Soc. N. H.* ii p. 312 (Mazatlan; Manzanillo Bay; Zacatula River; Rio de Coahuajana); *Merrill, Bull. Nutt. Orn. Club*, i. p. 88 (1876: S. Texas); *Lawr. Bull. U.S. Nat. Mus.* iv. p. 50 (1876); *Merrill, Pr. U.S. Nat. Mus.* i. p. 167 (1878); *Ridgw. t. c.* p. 167, pl. iii. figs. 1, 2; *Forbes, P. Z. S.* 1881, pp. 642, 646; *Ridgw. Pr. U.S. Nat. Mus.* iii. pp. 221, 223; *Nutting, op. cit.* v. p. 409 (1882: Costa Rica), vi. pp. 390, 396 (1883: Nicaragua); *Salvin, P. Z. S.* 1883, p. 428 (Acapulco); *Baird, Brewer, & Ridgw. Water-B. North Amer.* i. p. 176 (1884); *Coues, Key N. Amer. B.* 2nd edit. p. 669 (1884); *Cory, B. St. Domingo*, p. 159, pl. 20 (1885); *Ridgw. Man. N. Amer. B.* p. 183 (1887); *Salvin, Ibis*, 1889, pp. 89, 379 (Cozumel).
Parra cordifera, *Less. Rev. Zool.* 1842, p. 135 (Acapulco); *Des Murs, Icon. Orn.* pl. 42 (1846); *Gray, Gen. B.* iii. p. 589 (1846).
Parra punicea, *Licht. Nomencl. Av. Mus. Berol.* p. 95 (1854).

Parra violacea, *Cory, Bull. Nutt. Orn. Club*, vi. p. 130 (1881).
Jacana gymnostoma, *Ridgw. Man. N. Amer. B.* p. 183 (1887: Lower Rio Grande).
Jacana spinosa (*nec L.*), *Elliot, Auk*, v. p. 297 (1888); *Cory, B. W. Ind.* p. 252 (1889); *id. Cat. B. West Indies*, p. 92 (1892); *Richm. Proc. U.S. Nat. Mus.* xvi. p. 530 (1893: Nicaragua).
Jacana violacea, *Cory, Auk*, v. p. 51 (1888).

Adult male. Dark maroon-chestnut on the back and wings; the throat and chest greenish black; remainder of the under surface dingy maroon, sooty blackish in the centre of the breast, abdomen, and thighs; under wing-coverts deep maroon-chestnut, those round the edge of the wing blackish: "bill, alar spurs, and frontal leaf bright yellow; upper base of bill bluish white, the space between it and the nasal leaf bright carmine; feet greyish; iris dark brown" (*Sumichrast MS., teste Lawrence*). Total length 7·5 inches, culmen and frontal shield 1·8, wing 4·8, tail 1·5, tarsus 2·1, middle toe and claw 2·8.

Adult female. Similar to the male but larger. The inner secondaries are like the back, but those adjoining the yellow primaries are purplish brown, and most of the rufous secondaries have purplish-brown bases; the greater coverts also are purplish brown edged with rufous, or rufous with brown bases. Total length 8·5 inches, culmen with frontal shield 1·9, wing 5·1, tail 1·7, tarsus 2·3, middle toe and claw 2·7.

Mr. Cory says that the bare skin at the base of the lower mandible is pale bluish white. As, however, the plate represents this white skin at the base of the upper mandible, Mr. Cory probably intended to refer to the latter. The colour of the feet, moreover, differs from that observed by Mr. Sumichrast, as Mr. Cory writes "legs and feet dull olive." The S. Domingo bird may yet be found to belong to a distinct species.

Nestling. Covered with down of a remarkable pattern. The crown orange tawny; the nape and hind neck dusky black; the mantle and back orange-tawny, the latter a little the darker, and having a line of black on each side of the central tract, this being followed by a broad band of ochreous buff down the sides of the back, this being again enclosed by a broad black band, which joins at the tail; wings orange-tawny, the manus white; a narrow frontal line, sides of face, and under surface, covered with white down; a black line extending from behind the eye and joining the black of the hind-neck; the downy wing with black edgings, and a zig-zag line of black on the flanks, and the upper part of the thighs also black.

Hab. From Southern Texas throughout Central America to Costa Rica. Cuba; Porto Rico; S. Domingo.

a–d. ♂ ad; *e, f, g.* Juv. ak.	Brownsville, Texas, March to July (*F. B. Armstrong*).	Salvin-Godman Coll.
h. Ad. ak.	Mexico.	Purchased.
i. Pull. ak.	Mexico.	J. Gould, Esq.
k, l. Ad. et imm. ak.	Mazatlan.	Capt. Kellett & Lieut. Wood [P.].

m. ♂ ad.; *n.* ♀ juv. sk.	Mazatlan, Dec. (*A. Forrer*).	Salvin-Godman Coll.
o. ♂ ad.; *p.* ♀ juv. sk.	Presidio, Feb. (*A. Forrer*).	Salvin-Godman Coll.
q. ♂ ad.; *r.* ♀ juv. sk.	Zapotlan, Jalisco, Dec. (*W. B. Richardson*).	Salvin-Godman Coll.
s, t. ♂ ad.; *u, v, w.* ♀ ad. sk.	Tepic, June (*W. B. R.*).	Salvin-Godman Coll.
x, y. ♂ ad. et mm. sk.	Santiago, Tepic, May (*W. B. R.*).	Salvin-Godman Coll.
z. ♂ ad. sk.	San Blas, Tepic, April (*W. B. R.*).	Salvin-Godman Coll.
a'. Ad. sk.	Acapulco, Guerrero, Nov. (*A. H. Markham*).	Salvin-Godman Coll.
b'–g'. ♂ ad. et imm. *h'–m'*. ♀ ad. et imm. sk.	Altamira, Tamaulipas, March, May (*W. B. Richardson*).	Salvin-Godman Coll.
n'. ♂ juv. sk.	Tampico, June (*W. B. R.*).	Salvin-Godman Coll.
o'. ♂ ad. sk.	Santa Ana, Jalapa, Nov. (*Ferrari-Perez*).	Salvin-Godman Coll.
p'. ♂ ad.; *q', r'*. ♀ ad. sk.	Jomotla, Vera Cruz, June (*M. Trujillo*).	Salvin-Godman Coll.
s'. ♀ ad. sk.	Teapa, Vera Cruz, Jan. (*D. W. Smith*).	Salvin-Godman Coll.
t'. ♂ ad. sk.	Yucatan (*G. F. Gaumer*).	Salvin-Godman Coll.
u'. Ad. sk.	Buctzotz, Yucatan (*G. F. Gaumer*).	
v'–c''. Ad. sk.	Cozumel Island, Feb. (*G. F. Gaumer*).	Salvin-Godman Coll.
d''. Ad. sk.	Orange Walk, British Honduras (*F. Blancaneaux*).	Salvin-Godman Coll.
e''. ♂ ad. sk.	Belize River, British Honduras, April (*F. Blancaneaux*).	Salvin-Godman Coll.
f''. Ad.; *g''*. ♀ ad. sk.	Huamuchal, Guatemala, Feb. (*O. Salvin*).	Salvin-Godman Coll.
h''. ♂ ad.; *i''*. Ad. sk.	Lake Peten, April (*O. S.*).	Salvin-Godman Coll.
k''–n''. ♂ ad. sk.	Momotombo, Nicaragua, May (*W. B. Richardson*).	Salvin-Godman Coll.
o'', *p''*, *q''*. ♂ ♀ imm. sk.	Escondido River, Nicaragua, Nov. (*C. W. Richmond*).	Salvin-Godman Coll.
r''. Ad. sk.	Honduras.	D. Dyson [C.].
s''. ♀ ad. sk.	Costa Rica (*J. Carmiol*).	Salvin-Godman Coll.
t''. Imm. sk.	Haiti, W. I.	Baron Maltzan [C.].

7. MICROPARRA *.

	Type.
Microparra, *Cab. J. f. O.* 1877, p. 349	M. capensis.
Aphalus, *Elliot, Auk*, v. p. 301 (1888)	M. capensis.

Range. Confined to Southern and South-eastern Africa.

---

* In Key, p. 69, *for* APHALUS *read* MICROPARRA.

1. Microparra capensis.

Parra capensis, *Smith, Ill. Zool. S. Afr., Birds*, pl. 32 (1839: Algoa Bay); *Gray, Gen. B.* iii. p. 589 (1846); *Reichenb. Grall.* Taf. cxi. fig. 1122 (1852); *Hartl. Orn. W.-Afr.* p. 240 (1857: Ashantee); *Ayres, Ibis*, 1864, p. 60 (Natal); *Gurney, t. c.* p. 360; *Layard, B. S. Afr.* p. 336 (1867); *Finsch & Hartl. Vög. Ostafr.* p. 783 note (1870); *Gray, Hand-l. B.* iii. p. 70, no. 10536 (1871); *Gurney in Anderss. B. Dam. Ld.* p. 330 (1872: Lake Regions); *Sharpe in Oates's Matabele Land*, App. B, p. 324 (1881); *Holub & von Pelz. Beitr. Orn. Südafr.* p. 297 (1882: Pantamatenka River); *Sharpe, ed. Layard's B. S. Afr.* p. 649 (1884); *Tristram, Ibis*, 1888, p. 266 (Shiré River); *Shelley, Ibis*, 1894, p. 474 (Lake Shirwa, Feb.).

Microparra capensis, *Cab. J. f. O.* 1877, p. 350; *Reichen. JB. Hamb. Wissensch. Anst.* x. p. 8 (1893: Quilimane).

Aphalus capensis, *Elliot, Auk*, v. p. 301 (1888); *Sharpe, Ibis*, 1891, p. 545 (Lake Naiwascha).

Adult. General colour above brown, the inner secondaries like the back; wing-coverts brown with hoary-whitish margins; primary-coverts and bastard-wing blackish with slightly paler tips; quills blackish, browner at the ends, the secondaries with broad white tips forming a band; crown of head bright chestnut, followed by a broad black patch down the neck, which becomes shaded with purple on the mantle, and flanked with a patch of bright chestnut on each side of the latter; lower back, rump, and upper tail-coverts bright chestnut, the plumes of the lower back long and parti-coloured, being either edged or tipped with purplish brown; tail-feathers bright chestnut, with obsolete sub-terminal spots of blackish; lores and base of forehead golden yellow; a distinct eyebrow, sides of face and throat white, washed with golden yellow on the sides of the neck and sides of the upper breast; the remainder of under surface white; axillaries and sides of body bright chestnut; under wing-coverts black: "bill and claws yellowish brown; feet livid greenish yellow" (*A. Smith*): "bill bright brown; tarsi and feet light greenish brown; iris light hazel" (*T. Ayres*). Total length 6 inches, culmen 0·8, wing 3·4, tail 1·2, tarsus 1·35, middle toe and claw 2·1.

Hab. South Africa, north to the Lake Regions and the Zambesi, extending to the Shiré River and Lake Naiwascha in Central East Africa.

a, b. Ad. et imm. sk.	Kingwilliamstown.	Major Trevelyan [C.].
c. Ad. st.	Natal.	J. H. Gurney, Esq. [P.].
d. ♂ ad. sk.	Natal.	Tweeddale Coll.
e, f. Ad. sk.	Makalaka Country (*Dr. Bradshaw*).	Shelley Coll.
g. Ad. sk.	Pantamatenka River (*F. Oates*).	W. C. & C. G. Oates, Esqrs. [P.].
h. Ad. sk.	Zambesi (*Dr. Meller*).	Tweeddale Coll.
i. ♂ ad. sk.	Lake Shirwa, Nyasaland, Feb. (*A. Whyte*).	Sir H. H. Johnston, [P.].

Family IV. CHARADRIIDÆ.

Palate schizognathous.
Nostrils schizorhinal.
Basipterygoid processes present.
Dorsal vertebræ opisthocœlous.
Spinal feather-tract forked on the upper back.
Toes webbed or unwebbed.
Hind toe present in some, absent in others.
Tarsus usually reticulated, but sometimes scutellated.

Nest a slight structure of grass, or none at all.

Eggs generally four in number, pear-shaped: of various colours; usually of a clay-brown ground-colour, with numerous blotches, spots, and lines of black.

Nestling covered with thick down of various patterns and colours, and able to run in a few hours.

Key to the Subfamilies.

a. Toes not laterally scalloped; no serrated edge to the planta tarsi.
  a'. Nasal groove not extended beyond half the length of the culmen; tarsus reticulated on the hinder aspect.
    a''. No dertrum or marked swelling of the bill at the tips of the mandibles
      a'''. Tarsus transversely scaled in front, reticulated on its hinder aspect; toes without any connecting-web ..... 1. *ARENARIINÆ*, p. 91.
      b'''. Tarsus reticulated on both front and hinder aspect; the angle of the genys situated far back near the base of the bill, its distance from the tip of the lower mandible being twice as great as the distance from the angle to the base of the mandible ..... [p. 105. 2. *HÆMATOPODINÆ*,
    b''. Bill with the dertrum always more or less conspicuous.
      c'''. Tarsus transversely scaled in front, but reticulated behind.. [p. 122. 3. *LOBIVANELLINÆ*,
      d'''. Tarsus reticulated, or with hexagonal scales both in front and behind..... [p. 145. 4. *CHARADRIINÆ*,
      e'''. Tarsus transversely scaled both in front and behind ..... [p. 307. 5. *PELTOHYATINÆ*,
  c''. With no dertrum at all; the bill straight or curved upwards; feet extremely long when outstretched, far exceeding the tail ..... [p. 309. 6. *HIMANTOPODINÆ*,

b'. Nasal groove extending along the greater part of the upper mandible.
d'. Tarsus reticulated in front and behind ..... 7. *IBIDORHYNCHINÆ*, [p. 335.
e". Tarsus with transverse plates both before and behind.
f". With a web connecting both toes with the inner one..... 8. *TOTANINÆ*, p. 337.
g'". Toes not webbed at all, but cleft to the base..... 9. *SCOLOPACINÆ*, [p. 520.
b. Toes with a scalloped web, and with a serration along the planta tarsi (as in Grebes) ..... 10. *PHALAROPINÆ*, [p. 693.

Subfamily I. ARENARIINÆ.

1. ARENARIA.*

	Type.
Arenaria, *Brisson. Orn.* v. p. 132 (1760)	A. interpres.
Morinella, *Meyer & Wolf, Taschenb. Vög. Deutschl.* ii. p. 383 (1810)	A. interpres.
Strepsilas, *Illiger, Prodr.* p. 263 (1811).....	A. interpres.
Cinclus, *Gray, List Gen. B.* 1841, p. 85 (*ex Mœhring*) ..	A. interpres.

Range. Cosmopolitan.

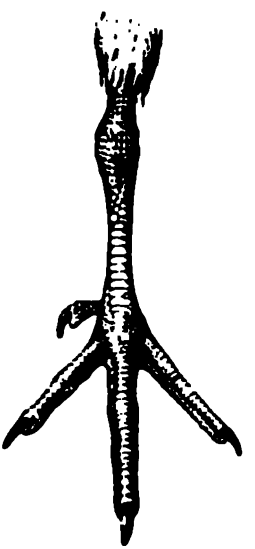


Fig. 11.—Front aspect of tarsus of *Arenaria interpres*, to show pattern of scaling.

Fig. 12.—Side view of tarsus of *A. interpres*, to show reticulation of *planta tarsi*.

* *Aphriza rufa*, often considered to be a Turnstone, is a Plover, *cf.* Shufeldt, Journ. Morph. ii. pp. 311–340, pl. xxv., *et infrà*, p. 308.

Key to the Species.

a. Head white, streaked with black; eyebrow, ear-coverts, and lores white, the latter separated by a black band from the crown; mantle, scapulars, and wing-coverts for the most part chestnut, with black patterns ..... *interpres* ad., p. 92.

b. Head blackish brown.

a'. Throat white, followed by a broad black band ..... *interpres* hiem., p. 92.

b'. Throat and breast blackish or dusky brown.

a''. Lores white; forehead, sides of face, sides of neck, and sides of breast spotted with white..... *melanocephala* ad., p. 103.

b''. Lores dusky; no white spots on sides of neck ..... *melanocephala* juv., p. 103.

1. Arenaria interpres.

The Turnstone or Sea-Dottrel, *Catesby, Nat. Hist. Carol.* i. p. 72, pl. 72 (1731).

The Turnstone from Hudson's Bay, *Edwards, Nat. Hist. B.* iii. p. 141, pl. 141 (1750).

Le Coulon-chaud, *Briss. Orn.* v. p. 132 (1760); *Daubent. Pl. Enl.* ix. pl. 856.

Le Coulon-chaud cendré, *Briss. Orn.* v. p. 137 (1760).

Tringa interpres, *Linn. Syst. Nat.* i. p. 248 (1766); *Gm. Syst. Nat.* i. p. 671 (1788); *Wilson, Amer. Orn.* vii. p. 32, pl. 57. fig. 1 (1813); *Chapm. Trav. S. Afr.* ii. App. p. 416 (1868); *Gätke, Vogelw. Helgoland*, p. 524 (1891).

Tringa morinella, *Linn. Syst. Nat.* i. p. 249 (1766), *ex Catesby*; *Gm. Syst. Nat.* i. p. 671 (1788).

Coulon-chaud de Cayenne, *Daubent. Pl. Enl.* ix. pl. 340.

Coulon-chaud gris de Cayenne, *Daubent. t. c.* pl. 857.

Tringa hudsonica, *P. L. S. Müll. S. N., Anhang*, p. 114 (1776); *Cass. Pr. Phil. Acad.* 1864, p. 246.

Le Tourne-Pierre, *Buff. Hist. Nat. Ois.* viii. p. 130, pl. x. (1781).

Turnstone, *Lath. Gen. Syn.* iii. pt. 1, p. 188 (1785); *Yarr. Brit. B.* ii. p. 422 (1843).

Morinella collaris, *Meyer & Wolf, Taschenb.* ii. p. 383, note (1810).

Strepsilas collaris, *Temm. Man. d'Orn.* p. 349 (1815); *id. op. cit.* 1820, p. 553; *Werner, Atlas, Coureurs*, pl. 18 (1827); *Brehm, Vög. Deutschl.* p. 558 (1831); *Gould, B. Eur.* iv. pl. 318 (1837); *Crespon, Orn. Gard*, p. 372 (1840); *Nordm. in Démid. Voy. Russ. Mérid.* iii. p. 237 (1840); *Tschudi, Faun. Peruan.* p. 297 (1846); *Kjærb. Danm. Fugle*, pl. xxxi. fig. 1, *Suppl.* 14. fig. 3 (1852); *Schl. Vog. Nederl.* pl. 218 (1854); *id. Dier. Nederl. Vog.* pl. 22. figs. 1, 2, 2 *a* (1861); *F. & P. Godm. Ibis*, 1861, p. 86 (Bödö: breeding); *Severtz. Turkest. Jevotn.* p. 69 (1873: migrant).

Arenaria interpres, *Vieill. N. Dict. d'Hist. Nat.* xxiv. p. 345 (1819); *Roux, Orn. Provenç.* pls. 280, 281 (1825); *Stejn. Auk*, i. p. 229 (1884); *id. Bull. U.S. Nat. Mus.* no. 29, p. 102 (1885: Bering Isl.); *A. O. U. Check-l. N. Amer. B.* p. 165 (1886); *Turner, Contr. N. H. Alaska*, pp. 150, 190 (1886); *Cory, Auk*, iii. p. 502 (1886: Grand

Cayman); *Towns. Auk*, iv. p. 12 (1887: Kowak R., N. Alaska); *Dwight, t. c.* p. 16 (Cape Breton); *Nelson, Nat. Hist. Alaska*, p. 128 (1887: S. Mathew's Isl.; S. Lawrence Isl; breeding); *Ridgw. Man. N. Amer. B.* p. 180 (1887); *Warren, B. Pennsylv.* p. 237 (1888: Lake Erie on passage); *Smith & Palmer, Auk*, v. p. 147 (1888: R. Columbia); *Sennett, t. c.* p. 110 (Texas; July); *Stejn. Proc. U.S. Nat. Mus.* xii. p. 381 (1889: Kauai); *Cory, Auk*, vi. p. 31 (1889: Cayman Brac); *Dutcher, t. c.* p. 129 (Little Gull Isl., N.Y.); *Scott, t. c.* p. 159 (Gulf Coast of Florida; S. John's Pass, June); *Cantwell, t. c.* p. 240 (Minnesota); *Reichen. Syst. Verz. Vög. Deutschl.* p. 52 (1889); *Cory, B. W. Ind.* p. 231 (1889); *Scott, Auk*, vii. p. 309 (1890: Dry Tortugas); *Eagle Clarke, t. c.* p. 221 (Ft. Churchill, Hudson's Bay); *Allen, Auk*, viii. p. 164 (1891: Nova Scotia, summer migrant); *Ridgw. t. c.* p. 337 (Watling Isl., Bahamas, March); *Cory, t. c.* pp. 351, 352 (Magna Isl.; Anguilla Isl.); *Scott, Auk*, ix. p. 15 (Jamaica); *Cory, t. c.* p. 48 (Maraguana); *Scott, t. c.* p. 212 (Florida); *Mackay, t. c.* p. 306 (Nantucket); *Rhoads, Auk*, x. p. 17 (Washington Terr.).

Charadrius cinclus, *Pall. Zoogr. Rosso-Asiat.* ii. p. 148 (1826: Siberia; Kamtschatka).

Tringa oahuensis, *Bloxham in Byron's Voy. 'Blonde,'* p. 251 (1826).

Strepsilas borealis, *Brehm, Vög. Deutschl.* p. 559 (1831).

Strepsilas littoralis, *Brehm, t. c.* p. 560 (1831).

Cinclus morinellus, *Gray, List Gen. B.* p. 85 (1841).

Cinclus interpres, *Gray, List Gen. B.* p. 85 (1841); *Rüpp. Syst. Uebers.* p. 118 (1845); *Gray, Gen. B.* iii. p. 549 (1846); *id. Cat. B. Trop. Isl. Pacific Ocean*, p. 48 (1859); *id. P. Z. S.* 1860, p. 363 (E. Gilolo); *id. List Brit. B.* p. 143 (1863); *Layard, B. S. Afr.* p. 301 (1867); *Gray, Hand-l. B.* iii. p. 22, no. 10068 (1871); *Gurney in Anderss. B. Dam. Ld.* p. 276 (1872; Walvisch Bay); *Heugl. Orn. N.O.-Afr.* iii. p. 1037, iv. p. clxxxiii (1873: Egyptian Sea-coast; Red Sea; ? breeding); *Hume, Str. F.* i. p. 233 (1873: Karachi; Mekran Coast); *id. op. cit.* ii. p. 292 (1874: Andamans; Nicobars).

Strepsilas minor, *Brehm, Vogelf.* p. 285 (1855).

Strepsilas collaris vulgaris, etc., etc. (!), *A. E. Brehm, Verz. C. L. Brehm*, p. 12 (1863; *teste Dresser*).

Charadrius interpres, *Seeb. Hist. Brit. B.* iii. p. 12, pl. 24. figs. 1, 3 (1885).

Morinella interpres, *Stejn. Proc. U.S. Nat. Mus.* v. p. 34 (1881).

Arenaria cinerea, *Olphe-Galliard, Contr. Faun. Orn. Eur. Occid.* fasc. xii. p. 47 (1889).

Strepsilas interpres, *Illiger, Prodr.* p. 263 (1811); *Leach, Syst. Cat. Mamm. & B.* p. 29 (1816); *Audub. B. Amer.* pl. cccix.; *Swains. & Rich. Faun. Bor.-Amer., Birds*, p. 371 (1831: Hudson's Bay to 75° N. lat.; breeds); *Jard. ed. Wilson's Amer. Orn.* ii. p. 324, pl. 57. fig. 1 (1832); *Naum. Vög. Deutschl.* vii. Taf. 180 (1834); *Audub. Orn. Biogr.* iv. p. 31 (1838); *Keys. & Blas. Wirb. Eur.* pp. lxxi, 209 (1840); *Gould in Darwin, Voy. 'Beagle,'* ii. p. 132 (1841); *Audub. B. Amer.* v. p. 231, pl. 323 (1842); *Selys-Longch. Faune Belge*, p. 122 (1842); *Fraser, P. Z. S.* 1843, p. 118 (Chili); *Webb & Berth. Orn. Canar.* p. 34 (1841); *Hewits. Eggs Br. B.* ii. p. 263, pl. lxxi. (1846); *Gosse, B. Jamaica*, p. 333 (1847); *Cab. in Schomb. Reis. Guian.* iii. p. 751 (1848); *Peale, U.S. Expl. Exp., Birds*, p. 322 (1848); *Gould, B. Austral.* vii. pl. 39 (1848); *Reichenb. Vög. Neuholl.* p. 206 (1849); *Thomps. B. Irel.* ii. p. 177 (1850);

Lembeye, Av. Cuba, p. 100 (1850); *Harcourt, P. Z. S.* 1851, p. 146 (Madeira); *Midd. Reis. Sibir., Zool.* p. 213 (1851: 75° N. lat.; Taimyr River; Boganida River, May; Schantar Isl., Aug.); *Reichenb. Grall.* Taf. 104. figs. 656, 660 (1852); *Hartl. Arch. Naturg.* 1852, p. 121; *Strickl. & Scl. Contr. Orn.* 1852, p. 159; *Bolle, J. f. O.* 1855, p. 176 (Canaries), 1857, p. 337; *Burm. Th. Bras.* iii. p. 364 (1856: Santa Catarina); *Heugl. Syst. Uebers.* p. 57 (1856); *Sundev. Sv. Fogl.* pl. xxxvii. fig. 6 (1856); *Hartl. Orn. W.-Afr.* p. 217 (1857: Gambia; Casamance; Gaboon; Mozambique); *Cass. in B. N. Amer.* p. 701 (1858); *id. U.S. Expl. Exped., Birds*, p. 322 (1858); *Gray, P. Z. S.* 1859, p. 166 (New Caledonia); *Jaub. & Barth.-Lapomm. Rich. Orn.* p. 452 (1859: spring & autumn migrant); *Gray, Cat. Mamm. & B. New Guinea*, p. 51 (1859); *Bryant, Proc. Bost. Soc. Nat. Hist.* vii. p. 121 (1859: Bahamas); *A. & E. Newt. Ibis*, 1859, p. 256 (S. Croix, Sept., April); *Walker, Ibis*, 1860, p. 166 (Godhavn, July); *Brewer, Proc. Bost. Soc. N. Hist.* vii. p. 309 (1860: Cuba); *Linderm. Vög. Griechenl.* p. 136 (1860: spring & autumn migrant); *Powys, Ibis*, 1860, p. 339 (Antivari, Dec., Jan.); *Swinh. t. c.* p. 359 (Amoy); *Swinh. Ibis*, 1861, p. 342 (Peking), 1862, p. 255 (Foochow, Dec.), 1863, p. 414 (Formosa); *Albrecht, J. f. O.* 1862, p. 205 (Jamaica); *Swinh. P. Z. S.* 1863, p. 315 (Amoy); *A. Newt. in Baring-Gould's 'Iceland,'* p. 411 (1863: breeding); *Layard, Ibis*, 1863, p. 250 (Cape St. Francis, Dec.); *Blakist. t. c.* p. 130 (York Factory, Aug.; Mackenzie R.); *E. Newt. t. c.* p. 455 (Madagascar); *Jerd. B. Ind.* iii. p. 656 (1863: 200 miles inland in Deccan); *March, Proc. Philad. Acad.* 1864, p. 66 (Jamaica: breeding); *Scl. Ibis*, 1864, p. 301 (Anjouan Isl.); *Wright, t. c.* p. 148 (Malta, May, Aug., Dec.); *Kirk, t. c.* p. 332 (Lake Nyasa); *Gurney, t. c.* p. 355 (Natal); *Salvin, t. c.* p. 385 (Brit. Honduras, April); *Schl. Mus. Pays-Bas*, Cursores, p. 43 (1865); *Gigl. Ibis*, 1865, p. 59 (Pisa); *E. Newt. t. c.* p. 150 (Rodriguez, Oct.); *Salvin, t. c.* p. 191 (Guatemala, Jan.); *Wright, t. c.* p. 466 (Malta, May); *A. Newt. t. c.* p. 505 (Spitsbergen, July); *Gould, Handb. B. Austr.* ii. p. 269 (1865); *Finsch, Neu-Guinea*, p. 181 (1865); *Pelz. Reis. Novara, Vög.* p. 117 (1865: Stewart Isl., Sept.); *Godm. Ibis*, 1866, pp. 100, 107 (Azores, June); *Salvin, t. c.* p. 190 (Guatemala, both coasts); *Schl. P. Z. S.* 1866, p. 425 (Mayotte; Réunion); *Degl. & Gerbe, Orn. Eur.* ii. p. 154 (1867); *Loche, Expl. Sci. Algér., Ois.* ii. p. 28 (1867: migrant); *Scl. P. Z. S.* 1867, p. 339 (Chili); *Hartl. t. c.* p. 83 (Pelew Isl.); *Lawr. Ann. Lyc. N. Y.* viii. p. 100 (1867: Sombrero); *Baird, Ibis*, 1867, p. 286; *Beavan, t. c.* p. 332 (Andamans); *E. Newt. t. c.* pp. 350, 359 (Seychelles, Feb.); *Hartl. P. Z. S.* 1867, p. 831; *Finsch & Hartl. Faun. Centralpolyn.* p. 197 (1867); *Brown, Ibis*, 1868, p. 453 (Portugal); *Dyb. & Parvex, J. f. O.* 1868, p. 337 (Dauria); *Schl. & Poll. Faune Madag., Ois.* p. 130 (1868); *Hartl. & Finsch, P. Z. S.* 1868, pp. 8, 118 (Pelew Isl.); *Borggr. Vogelf. Norddeutschl.* p. 111 (1869); *Doderl. Avif. Sicil.* p. 179 (1869: on passage); *Malmgr. Ibis*, 1869, p. 230 (Amsterdam Isl., Spitsbergen); *Droste, Vogelw. Borkum*, p. 157 (1869); *Sundev. Œfv. K. Vet.-Akad. Forh. Stockh.* 1869, p. 588 (S. Bartholomew), p. 602 (Porto Rico); *Dall & Bann. Trans. Chicago Acad.* i. p. 290 (Yukon mouth); *Dole, Proc. Bost. Soc. N. H.* xii. p. 304 (1869: Sandwich Isl.); *Godman, Azores*, p. 33 (1870: probably breeds); *Fritsch, Vög. Eur.* tab. 34 figs. 2, 8 (1870); *Elwes & Buckley, Ibis*, 1870, p. 330 (Turkey); *Swinh. t. c.* p. 361 (Hainan); *Marie, Actes Soc. Linn. Bordeaux*, xxvii. p. 328 (1870); *Finsch & Hartl. Vög. Ostafr.* p. 662 (1870);

Sel. & Salv. P. Z. S. 1870, p. 323 (Indefatigable and Bindloe Isls.); *Gray, B. West Scotl.* p. 266 (1871); *Salvad. Faun. Ital., Ucc.* p. 207 (1871); *Saunders, Ibis*, 1871, p. 387 (S. Spain); *Scl. t. c.* p. 360 (Sandwich Isl.); *Pelz. Orn. Bras.* p. 297 (1871: Piehy, Feb.; Cajutuba, Feb.; Garapé, March; Para, Nov.); *Hartl. & Finsch, P. Z. S.* 1872, p. 89 (Mackenzie Isl.), p. 104 (Uap); *Harting, Handb. Brit. B.* p. 45 (1872); *Heugl. Ibis*, 1872, p. 62 (Novaya Zemlya); *Godman, t. c.* p. 221 (Flores, Azores); *Finsch, Abhandl. nat. Ver. Bremen*, iii. p. 62 (1872: Alaska); *Coues, Key N. Amer. B.* p. 246 (1872); *Finsch, J. f. O.* 1872, p. 52 (Samoa); *Holdsw. P. Z. S.* 1872, p. 472; *Scl. & Salv. Nomencl. Av. Neotr.* p. 143 (1873); *Buller, B. N. Zeal.* p. 221 (1873); *Gould, B. Gt. Brit.* iv. pl. 60 (1873); *Tacz. J. f. O.* 1873, p. 101 (Kultuk; Daraeun), 1874, p. 336; *Alst. & Harvie-Brown, Ibis*, 1873, p. 67 (Archangel); *Walden, t. c.* p. 317 (S. Andaman); *Brooke, t. c.* p. 338 (Sardinia); *Hayes Lloyd, t. c.* p. 416 (Kathiawar); *Elliot, Rep. Prybilov Isl.* no. 406 (1873: not breeding); *Tacz. P. Z. S.* 1874, p. 560 (Chorillos, Peru); *Sundev. Öfv. K. Vet.-Akad. Stockh.* 1874, p. 20 (Spitsbergen); *Coues, B. N.-West*, p. 459 (1874); *Wright, Ibis*, 1874, p. 238 (Gozo, May); *Durnf. t. c.* p. 404 (N. Frisian Isl.); *Lawr. Mem. Bost. Soc. N. H.* ii. p. 308 (1874: Rio Zacatula); *Saxby, B. Shetl.* p. 170 (1874: breeding); *Walden, Tr. Z. S.* viii. p. 91 (1874: Celebes); *Salvad. Ucc. Born.* p. 320 (1874: Sarawak); *Le Messur. Str. F.* iii. p. 380 (1875: Chinnee Creek, Sind); *Blyth, B. Burm.* p. 154 (1875: Arakan); *Finsch, Journ. Mus. Godeffr.* Heft viii. p. 32 (1875); *Fallon, Ois. Belg.* p. 155 (1875); *Irby, Orn. Gibr.* p. 163 (1875); *Dresser, B. Eur.* vii. p. 555, pl. 532 (1875); *Danf. & Harvie-Brown, Ibis*, 1875, p. 420 (Stell River); *Whitmée, t. c.* p. 446; *Gundl. J. f. O.* 1875, p. 331 (Cuba); *Layard, P. Z. S.* 1875, p. 440 (Viti Levu); *id. P. Z. S.* 1876, p. 503 (Friendly Isl.), p. 505 (Fiji); *id. Ibis*, 1876, p. 152 (Koro Isl., Fiji), p. 393 (Viti Levu); *Swinh. t. c.* p. 334 (Yezo); *Dresser, Ibis*, 1876, p. 328; *Blanf. East. Persia*, ii. p. 281 (1876: Mekran Coast); *Lawr. Bull. U.S. Nat. Mus.* no. 4, p. 46 (1876: Tehuantepec, Aug.); *Gundl. Orn. Cubana*, p. 179 (1876); *Hume, Str. F.* iv. p. 464 (1876: Laccadives); *Salvad. Ann. Mus. Genov.* viii. p. 384 (1876: Bourou); *Salvin, Tr. Z. S.* ix. p. 502 (1876: Indefatigable and Bindloe Isl.); *Tacz. Bull. Soc. Zool. France*, i. p. 247 (1876), ii. p. 156 (1877: Poland, very rare); *Feilden, Ibis*, 1877, p. 405 (Lat. 82° 30′ N.); *id. P. Z. S.* 1877, pp. 29, 30, 31 (Lat. 82°–83°, Sept. 19; Cape Union, 82° 15′); *Hartl. Vög. Madag.* p. 203 (1877: resident); *E. Newt. P. Z. S.* 1877, p. 301 (Anjouan); *Ramsay, t. c.* p. 338 (N.E. Queensland); *Finsch, t. c.* p. 770 (Eua), p. 781 (Ponapé), p. 784 (Niuafou Isl.); *David & Oust. Ois. Chine*, p. 433 (1877); *Reid, Zool.* 1877, p. 475 (Bermudas, Dec.); *Oust. Bull. Soc. Philom.* 1878, p. 183 (Seychelles); *Sharpe, Phil. Trans.* vol. 168, *Aves*, p. 4 (1878: Rodriguez); *Lawr. Proc. U.S. Nat. Mus.* i. p. 67 (1878: Dominica), p. 197 (S. Vincent); *Blakist. & Pryer, Ibis*, 1878, p. 219 (Japan); *E. L. & L. C. Layard, t. c.* p. 280 (New Hebrides; Santo); *E. C. Taylor, t. c.* p. 373 (Damietta); *E. Adams, t. c.* p. 437 (Michalaski); *Tweedd. P. Z. S.* 1878, p. 711 (N. Bohol); *Scl. t. c.* p. 557; *Forbes, t. c.* p. 127 (Raine Isl.); *Maynard, B. East. N. Amer.* p. 366 (1879); *Milne-Edwards & Grandid. Hist. Nat. Madag., Ois.* p. 512 (1879); *Legge, B. Ceylon*, p. 900 (1879); *Hume, Str. F.* viii. p. 112 (1879); *Butler, Cat. B. Sind etc.* p. 59 (1879); *Seeb. Ibis*, 1879, p. 26

(Yokohama); *Meyer, t. c.* p. 141 (Menado, March); *Sharpe, t. c.* p. 270 (Lumbidan); *Bogd. B. Cauc.* p. 154 (1879); *Finsch, P. Z. S.* 1879, pp. 9, 14 (Duke of York Isl.); *Sharpe, t. c.* p. 351 (Labuan, Sept.); *Seeb. Ibis*, 1880, p. 190 (Siberia; 70½° N. lat.); *Finsch, t. c.* pp. 220, 330, 332 (Jaliut Isl., Aug.), p. 432 (Gilbert Isl.); *Elliot, Monogr. Seal Isl.* p. 129 (1880); *Cory, B. Bahamas*, p. 151 (1880); *Finsch, P. Z. S.* 1880, p. 576 (Ruk Isl.); *Butler, Cat. B. S. Bomb. Pres.* p. 74 (1880: cold weather visitant); *Vidal, Str. F.* ix. p. 82 (1880: S. Konkan, April); *Sharpe, P. Z. S.* 1881, p. 15 (Talcahuano); *Scl. t. c.* p. 451 (Rotumeh); *Meyer, Verh. z.-b. Ges. Wien*, xxxi. p. 767 (1881: Sumba); *Scl. Rep. Voy. 'Challenger,'* ii. *Birds*, p. 33 (1881; Admiralty Isl.); *W. A. Forbes, t. c.* p. 92 (Raine Islet); *Bocage, Orn. Angola*, p. 434 (1881: Loango); *A. & E. Newt. Handb. Jamaica*, p. 115 (1881); *Finsch, Ibis*, 1881, pp. 105, 109 (Kushai), p. 115 (Ponapé, March), p. 246 (Nwalabo, July); *Salvad. Orn. Papuasia*, ii. p. 298 (1882); *Layard, Ibis*, 1882, pp. 533, 544 (New Caledonia); *Kelham, Ibis*, 1882, p. 11 (Moar River, Malacca, April; Pulo Nongsa, Sept.); *Seeb. t. c.* p. 380 (Archangel; rare summer visitor); *H. W. Elliot, t. c.* p. 478 (Prybilov Isl.; July); *E. L. & L. C. Layard, t. c.* pp. 533, 544 (Duck Isl., N. Caledonia); *Bean, Proc. U.S. Nat. Mus.* iii. p. 163 (1882); *Cocks, Zool.* 1882, p. 24 (Is Fjord, Spitsbergen, Aug.); *Elliott, Rep. Fur Seal Isl. Alaska*, p. 129 (1882: not breeding; seen at sea 800 miles W. of Straits of Fuca); *Tacz. Bull. Soc. Zool. France*, viii. p. 339 (1883: Kamtschatka); *B. O. U. List Br. B.* p. 161 (1883); *Booth, Rough Notes*, vol. iii. (1883); *Saunders, ed. Yarr. Brit. B.* iii. p. 289 (1883); *Seeb. Ibis*, 1883, p. 29 (Shores of Black Sea); *Irby, t. c.* p. 187 (Santander, May, June, Nov.); *Oates, Handb. B. Burm.* ii. p. 376 (1883: Pegu, Sept.); *Salvin, P. Z. S.* 1883, p. 429 (Paracas Bay, Oct.); *Blakist. Amend. List B. Japan*, p. 11 (1884: Japan generally); *Bogd. Consp. Av. Imp. Ross.* p. 77 (1884); *Radde, Orn. Cauc.* p. 421 (1884: Lenkoran, April, May); *Murray, Vertebr. Faun. Sind*, p. 233 (1884: Karachi); *Finsch, Vög. der Südsee*, p. 86 (Marshall, Gilbert Isl., Carolines); *Chapm. Ibis*, 1884, p. 99 (Spain, Sept.); *Tristr. t. c.* p. 168 (S. Domingo); *Sharpe, ed. Layard's B. S. Afr.* p. 671 (1884); *Baird, Brewer, & Ridgw. Water-B. N. Amer.* i. p. 119 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 609 (1884); *Stejn. Auk*, i. p. 173 (1884); *Young, t. c.* p. 339 (At sea; Lat. 52° N., Long. 25° W.); *Merriam, Auk*, ii. p. 63 (1885: Point Barrow, June, Aug.); *Turner, t. c.* p. 157 (Nearer Isl., Alaska: summer); *Murdoch, Rep. Polar Exp. Pt. Barrow*, p. 108 (1885: ? breeding); *Guillem. P. Z. S.* 1885, p. 417 (Libarran Isl., N. Borneo); *Yerbury, Ibis*, 1886, p. 20 (Aden; cold weather); *Slater & Carter, t. c.* p. 49 (North Iceland, breeding); *Salvin, t. c.* p. 178 (Brit. Guiana); *Gigl. Avif. Ital.* p. 377 (1886); *Pleske, Uebers. Säug. u. Vög. Kola Halbinsel*, p. 329 (1886); *Tacz. Orn. Pérou*, iii. p. 349 (1886); *Saunders, P. Z. S.* 1886, p. 336 (Diego Garcia, Oct.); *Tait, Ibis*, 1887, p. 386 (Portugal, April, Sept.: breeds); *Salvad. Elench. Uec. Ital.* p. 213 (1887); *Reid, Str. F.* x. p. 452 (1887: Lucknow, cold weather); *Hume, t. c.* p. 452, note (regular migrant); *Gigl. & Salvad. P. Z. S.* 1887, p. 585 (Olga Bay, Corea, Sept.); *Butler, B. New Zeal.* 2nd ed. ii. p. 14 (1888); *Ramsay, Tab. List Austr. B.* p. 20 (1888); *Sharpe, Ibis*, 1888, p. 203 (Palawan); *Seeb. t. c.* p. 348 (Gt. Liakoff Isl., June); *id. Geogr. Distr. Charadr.* p. 410 (1888); *Salvin, Ibis*, 1889, p. 379 (Cozumel Isl.); *Feilden, t. c.*

p. 492 (Barbados, Aug., Sept.); *Pleske, Mém. Acad. Imp. St. Pétersb.* (7) xxxvi. p. 60 (1888: Tschinas, Sept.); *Everett, Journ. Straits Branch Asiat. Soc.* 1889, p. 205; *id. P. Z. S.* 1889, p. 225 (Palawan); *Milne-Edwards & Oust. N. Arch. Mus.* (2) x. p. 288 (1889: Anjouan Isl.); *Saunders, Man.* p. 541 (1889); *Gigl. Avif. Ital.* pt. 1, p. 579 (1889), pt. 2, p. 681 (1890), pt. 3, p. 517 (1891); *Brusina, Motr. (Orn. Croatica)*, p. 88 (1890); *Seeb. H. Japan. Emp.* p. 331 (1890: Kuriles, probably breeding; S. Japan, winter); *Whitehead, Ibis*, 1890, p. 59 (Palawan, Sept.); *Sharpe, t. c.* pp. 143, 284 (Lawas River, April, May); *Grant, t. c.* p. 412 (Madeira); *Eagle Clarke, Zool.* 1890, p. 12 (Jan Mayen); *Steere, List B. & Mamm. Philipp.* p. 26 (1890: Mindanao, Negros); *Koenig, J. f. O.* 1891, p. 313 (Canaries); *Buckley & Harvie Brown, Faun. Orkney Isl.* p. 204 (1891: breeding); *Sharpe, Ibis*, 1891, p. 115 (Fao, June); *Saunders, t. c.* p. 187 (Switzerland); *Styan, t. c.* p. 320 (Lower Yangtze), p. 504 (Shanghai, May); *Fricaldsky, Av. Hung.* p. 125 (1891); *Sharpe, Sci. Res. 2nd Yark. Miss.* p. 139 (1891: Nubra Valley, Oct.); *Macfarlane, Proc. U.S. Nat. Mus.* xiv. p. 439 (1891); *Salvad. Agg. Orn. Papuasia*, pt. iii. p. 198 (1891); *Schalow, J. f. O.* 1891, p. 258; *Wiglesw. Abhandl. Mus. Dresd.* no. 6, p. 63 (1891); *Sibree, Ibis*, 1892, p. 115 (Madagascar); *Rendall, t. c.* p. 229 (Gambia); *De La Touche, t. c.* p. 351 (Foochow); *Swarow, Sept.*; *Scott-Wilem & Ecame, Aves Hawaiienses*, pt. iii. (1892); *Barnes, Ibis*, 1892, p. 170 (Aden); *Meade-Waldo, t. c.* p. 291 (Canaries); *Hartert, t. c.* p. 357 (Arvia); *Styan, t. c.* p. 426 (Hainan); *Munn, Ibis*, 1894, p. 72 (Calcutta diez.); *Pearson & Bidwell, t. c.* p. 214 (Norway: breeding).

Adult male in breeding-plumage. General colour above black, mixed with chestnut or partly chestnut feathers on the centre of the mantle: scapulars for the most part chestnut, but the outer ones black at the ends or irregularly marked with black; upper wing-coverts white; entire back below the mantle and rump pure white; upper tail-coverts black, the longer ones pure white; lesser wing-coverts black, the innermost rather broadly edged with white at the tips; median coverts for the most part chestnut, slightly mottled with black; greater coverts black, narrowly margined and broadly tipped with white; basal two thirds of primaries black, the innermost of the latter with white tips; outer primaries black with white shafts and white bases to the inner primaries, the basal portion of the inner web white; secondaries for the most part white, black towards the ends of the feathers, these black markings forming a broad band; under surface of wing white, the outermost primaries with their inner webs black; under tail-coverts white, the lateral ones black with white tips; the black on the outer tail-feathers extending on the inner web nearly to the base; the black subterminal band on the central tail-feathers broad; bill black; legs and feet black.

from the white loral patch by a narrow line of black, which unites the frontal band to a square black patch beneath the eye, which is also joined to a malar line of black, which is connected with the sides of the neck and with the fore-neck and sides of breast, all these parts being black, but nearly divided by a semi-lunar band of white, which reaches from the sides of the neck almost to the breast; throat white, as also the rest of the under surface of body from the centre of the chest downwards; under wing-coverts and axillaries also pure white; quills below ashy whitish along the inner web: "bill black; feet deep orange-red, claws black; iris hazel" (*J. J. Audubon*). Total length 8 inches, culmen 0·9, wing 6·2, tail 2·3, tarsus 0·95, middle toe and claw 1·1.

Adult female in breeding-plumage. Much duller than the male, and having the same pattern of black and white about the face, but never developing the same amount of chestnut about the back, the head and hind neck being brown, mottled with blackish centres to the feathers. Total length 8·5 inches, culmen 0·9, wing 6·3, tail 2·45, tarsus 0·95, middle toe and claw 1.

Young. General colour above dusky brown, all the feathers edged with sandy buff or rufous; wings and tail as in the adult; crown of head dark brown, streaked with sandy buff, the margins of the feathers being of this colour; tail-feathers white, with a broad sub-terminal band of black, decreasing in extent towards the outermost feathers, all the feathers tipped with sandy buff; throat and under surface of body white; the lower throat, fore-neck, sides of neck, and sides of breast mottled with dusky blackish centres to the feathers, marking the black pattern of the adults, even the semi-lunar neck-band of the adults being indicated by a broad crescentic band of sandy buff in the young.

Winter plumage of the adult. Above nearly uniform dusky brown, but not showing the tawny-rufous margins to the feathers of the upper surface, the edges being ashy brown. The head is uniform brown like the back; the hind-neck and sides of neck are ashy, mottled with dusky centres to the feathers; sides of face brown, with more or less white on the ear-coverts; the black markings on the cheeks and throat as in the breeding bird, but the white semi-lunar band on the sides of the neck replaced by a patch of light brown.

The difference between the *winter plumage of the adult* and *the first full plumage of the young birds* consists in the sandy-buff margins to the feathers of the upper surface, which are very distinct in the latter at first. Afterwards they become abraded, and then there is scarcely any distinguishing mark between the winter plumages of the adult and young. In the spring the red plumage is very rapidly acquired, and I believe that it is gained quite as much by the change in the pattern of the feather as by a direct moult.

Hab. Nearly the whole of the world.

Specimens from the Old World.

a. Ad. sk.	Faeroe Islands (*S. Müller*).	H. Durnford, Esq. [P.]
b, *c*. Ad.; *d*. Jr. st.	Ballinahinch, Ireland.	C. Coningham, Esq. [P.]
e. Ad. sk.	Great Britain.	Hume Coll.
f. Juv. sk.	Orkney Islands, Aug. 29 (*R. G. W. R.*).	Tweeddale Coll.
g. Ad. sk.	Stromness, Orkney (*Dunn*).	Seebohm Coll.
h. Juv. sk.	Island of Mull.	Lord Colin Campbell [P.]
i. ♂ imm. sk.	Island of Tiree.	Colonel Irby [P.]
k. Juv. sk.	Isle of Grain, Sept. 8 (*R. G. W. R.*).	Tweeddale Coll.
l. Ad. sk.	North Berwick, Nov. (*J. H. Yule*).	Seebohm Coll.
m. ♂ ad. sk.	Beadnell, Northumberland, May 18.	J. E. Harting, Esq. [C.]
n. ♀ imm. sk.	Newbiggen, Northumberland, Aug. 1876 (*W. E. Brooks*).	Hume Coll.
o. ♀ ad. sk.	Wells, Norfolk, Feb. 31.	R. B. Sharpe, Esq. [P.]
p, *q*. ♂ ad. sk.	Great Yarmouth, May 21.	Hume Coll.
r. ♂ ad. sk.	Great Yarmouth, May 21.	Seebohm Coll.
s. Imm. sk.	Aldeburgh, Suffolk, Aug.	Theodore Fisher, Esq. [P.]
t. Imm. sk.	Aldeburgh, Sept. 12.	Colonel Irby [P.]
u. Ad. sk.	Banks of the Thames.	Salvin-Godman Coll.
v. ♂ juv. sk.	Romney Marsh, Kent, Aug.	R. B. Sharpe, Esq. [P.]
w. Ad. st.	Romney Marsh, Sept.	R. B. Sharpe, Esq. [P.]
x. ♀ ad. sk.	Pagham, Sussex, July 30 (*R. B. S.*).	Hume Coll.
y. ♂ ad. sk.	Pagham, May 14 (*J. E. Harting*).	Seebohm Coll.
z. Ad. st.	Pagham.	R. B. Sharpe, Esq. [P.]
a', *b'*, *c'*. Juv. sk.	Pagham, Aug. (*R. B. S.*).	Tweeddale Coll.
d'. ♀ imm.; *e'*, *f'*. Juv. sk.	Pagham, Aug., Sept. 3.	R. B. Sharpe, Esq. [P.]
g'. ♀ imm. sk.	Christchurch Harbour, Hants, Sept. 9.	R. B. Sharpe, Esq. [P.]
h'. Ad. sk.	Christchurch, Hants, April 17 (*A. von Hügel*).	Seebohm Coll.
i'. ♀ juv. sk.	Instow, North Devon, Sept. 23.	Seebohm Coll.
k', *l'*. ♂ juv.: *m'*. ♀ ad.: *n'*. ♀ juv. st.	St. Bride's, South Wales, Dec., April.	Hon. W. Edwardes [P.]
o', *p'*. ♂ ♀ ad. sk.	Bodö, Norway, June 15 (*F. D. Godman*).	Salvin-Godman Coll.
q'. Ad. sk.	North Russia.	Moscow Museum [P.]
r'. ♂ ad. sk.	Siberia.	Seebohm Coll.
s', *t'*, *u'*. Ad. sk.	Japan.	Tweeddale Coll.
v'–*z'*. Ad. et imm. sk.	Yokohama, May (*H. Pryer*).	Seebohm Coll.

a'', *b''*, *c''*. Imm. sk.	Kurile Islands, Aug., Sept. (*Snow*).	Seebohm Coll.
d''. Ad. sk.	Amoy, May (*R. Swinhoe*).	Seebohm Coll.
e''. ♀ juv. sk.	Yarkand, Sept. 2 (*Dr. Henderson*).	Hume Coll.
f''. ♂ jr. sk.	Posgam, Yarkand, Sept. 6 (*Dr. Henderson*).	Hume Coll.
g''. ♀ imm. sk.	Algeciraz, Spain, March 20.	Colonel Irby [P.].
h''. Imm. sk.	Marocco.	Seebohm Coll.
i''. Juv. sk.	Marocco.	Tweeddale Coll.
k''. ♂ ad.; *l''*, *m''*. Ad. sk.	Flores, Azores, May (*F. D. Godman*).	Salvin-Godman Coll.
n''. ♂ imm. sk.	Near Funchal, Madeira, April 26.	W. R. Ogilvie-Grant, Esq. [P.].
o''. Juv. sk.	Gambia.	Seebohm Coll.
p''. Ad. sk.	Gambia.	Old Coll.
q'', *r''*. Ad. et imm. sk.	Gold Coast.	Seebohm Coll.
s''. ♂ imm. sk.	Mouth of Swakop River, Damara-land, Dec. 27 (*C. J. Andersson*).	Tweeddale Coll.
t''. Juv. sk.	Lake Nyasa.	Sir J. Kirk [C.].
u''. Imm. sk.	Gloriosa Island, May (*Dr. Coppinger*).	Voy. H.M.S. 'Alert.
v''. ♂ imm. sk.	Seychelles, March (*Dr. Coppinger*).	Voy. H.M.S. 'Alert.'
w''. ♂ ad. sk.	Seychelles.	Seebohm Coll.
x'', *y''*, *z''*. ♂ imm.; *a*³, *b*³. ♀ imm. sk.	Rodriguez.	"Transit of Venus" Exped.
*c*³. ♂ imm. sk.	Aden, Oct. 16 (*E. L. Layard*).	Seebohm Coll.
*d*³. Ad. sk.	Khora Muska Creek, Aden, May 5 (*Major Yerbury*).	Hume Coll.
*e*³. ♂ ad. sk.	Damietta, Egypt (*Philipponi*).	Tweeddale Coll.
*f*³. Ad. sk.	Fao, Persian Gulf, June 18.	W. D. Cumming, Esq. [P.].
*g*³. ♂ imm. sk.	Sonmiani, Mekran Coast, Feb. 24 (*W. T. Blanford*).	Hume Coll.
*h*³. Imm. sk.	Ormarra, Mekran Coast (*E. A. Butler*).	Hume Coll.
*i*³–*p*³. ♂ ♀ ad. sk.	Karachi, Feb. (*A. O. H.*).	Hume Coll.
*q*³, *r*³, *s*³. ♀ imm. sk.	Karachi, April 14 (*E. A. Butler*).	Hume Coll.
*t*³. Ad. sk.	Balacherry, Kathiawar, Oct. 24.	Col. Hayes Lloyd [P.].
*u*³, *v*³, *w*³. ♂ ♀ ad. sk.	Sambhur, Sept., Oct. (*R. M. Adam*).	Hume Coll.
*x*³. Ad. sk.	Madras.	Gould Coll.
*y*³, *z*³, *a*⁴. ♂ ad. sk.	Betrapar, Laccadives, Feb. (*A. O. H.*).	Hume Coll.
*b*⁴. ♂ ad. sk.	Bingaroo, Laccadives, Feb. 21 (*A. O. H.*).	Hume Coll.
*c*⁴. ♀ ad. sk.	Cardamum Is., Laccadives, Feb. 18 (*A. O. H.*).	Hume Coll.
*d*⁴. ♂ ad. sk.	Cherbaniani, Laccadives, Feb. 12 (*A. O. H.*).	Hume Coll.
*e*⁴. ♂ ad. sk.	Paumben, Laccadives, March 15 (*A. O. H.*).	Hume Coll.

f^1, g^1. ♀ ad. sk.	N.W. coast of Ceylon, March 10 (*W. V. Legge*).	R. B. Sharpe, Esq. [P.].
h^1. ♀ imm. sk.	S.E. coast of Ceylon, March 29 (*W. V. Legge*).	Seebohm Coll.
i^1. ♀ ad. sk.	Pegu, Sept. 23 (*E. W. O.*).	Oates Coll.
k^1. ♀ ad. sk.	Great Cocos Islands, March 24.	Hume Coll.
l^1. ♀ ad. sk.	South Andamans, Feb. 14 (*R. G. W. R.*).	Tweeddale Coll.
m^1. ♀ ad. sk.	Aberdeen, S. Andamans, April 20 (*W. Davison*).	Hume Coll.
n^1. ♀ ad. sk.	Montahull Isl., Nicobars, March 14 (*A. O. H.*).	Hume Coll.
o^1, p^1. ♀ ad. sk.	Camorta, Nicobars, Feb., March (*W. Davison*).	Hume Coll.
q^1. ♀ ad. sk.	Preparis Island, Nicobars, March (*A. O. H.*).	Hume Coll.
r^1–y^1. ♂ ad.; z^1–c^2. ♀ ad. sk.	Jerome, Salangore, Dec., March, Aug. (*W. D.*).	Hume Coll.
k^1, l^1. Ad. sk.	Sumatra (*Sir S. Raffles*).	India Museum.
m^1, n^1, o^1. Ad. sk.	Labuan, Oct., Jan., Feb. (*A. H. E.*).	A. H. Everett, Esq. [P.].
p^1, q^1. ♂ ♀ ad. sk.	N. Bohol, Philippines, Nov. (*A. H. Everett*).	Tweeddale Coll.
r^1. Ad. sk.	E. Gilolo.	Wallace Coll.
s^1. ♀ ad. sk.	N. Ceram.	Wallace Coll.
t^1, u^1. ♂ ♀ ad. sk.	Raine Island.	Voy. H.M.S. 'Challenger.'
v^1, w^1. Ad. sk.	Queensland (*J. T. Cockerell*).	Salvin-Godman Coll.
x^1. Ad. sk.	N.E. coast of Australia.	J. B. Jukes, Esq. [P.].
y^1, z^1. Ad. sk.	W. Australia.	J. Gould, Esq. [C.].
a^2. ♀ ad. sk.	Troughton Island, N.W. Australia, Aug. (*Dr. Bassett Smith*).	Voy. H.M.S. 'Penguin.'
b^2. ♀ ad. sk.	Isabella Island, Bass' Straits, Jan. 12.	Gould Coll.
c^2. ♀ ad. sk.	Aneiteum, New Hebrides, Sept. 27 (*J. Macgillivray*).	Voy. H.M.S. 'Rattlesnake.'
d^2, e^2. ♂ ad. sk.	Admiralty Islands.	Voy. H.M.S. 'Challenger.'
f^2. ♀ ad. sk.	Tongataboo, Nov.	Dr. Coppinger [P.].
g^2. Ad. sk.	Rotuma Island (*Rev. G. Brown*).	Voy. H.M.S. 'Challenger.'

Specimens from the New World.

h^2. ♂ Ad. sk.	Greenland, May.	Hume Coll.
i^2, k^2. ♂ ad.; m^2, n^2, o^2. Jr. sk.	Discovery Bay, June, August (*H. C. Hart*).	Voy. H.M.S. 'Discovery.'
p^2. ♂ ad. sk.	Arctic America, Lat. 82° 32′ (*H. W. Feilden*).	Voy. H.M.S. 'Alert.'
q^2. Pull. sk.	Bellot Island, Aug. 13 (*H. W. F.*).	Voy. H.M.S. 'Alert.'
r^2. Ad. sk.	Labrador (*Maerchler*).	Seebohm Coll.
s^2. Ad. sk.	Labrador (*C. Linden: Hensh. Coll.*).	Salvin-Godman Coll.
t^2, u^2. Ad. et imm. sk.	Repulse Bay.	Dr. Rae [P.].

v^6, w^6. Ad. sk.	N.W. America.	Capt. Collinson [P.].
x^6, y^6. Ad. et jr. sk.	Alaska (*Hensh. Coll.*).	Salvin-Godman Coll.
z^6, a^7. ♂ ad. sk.	St. Michael's, Alaska, July, Aug. (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
b^7, c^7. ♂ ad.; d^7. ♀ ad. sk.	St. George's Isl., Alaska (*H. W. Elliott*: *Hensh. Coll.*).	Salvin-Godman Coll.
e^7. ♀ ad. sk.	Kotlik, Alaska, May 19 (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
f^7. Ad. sk.	Pikmiktalik River, Alaska, Aug. (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
g^7. Juv. sk.	Albany River, Canada.	G.Branston,Esq.[P.].
h^7. Ad. sk.	New Jersey.	Hume Coll.
i^7. ♂ ad. sk.	Massachusetts (*Hensh. Coll.*).	Salvin-Godman Coll.
k^7. Ad. sk.	Ipswich, Mass.	Seebohm Coll.
l^7. Ad. sk.	Philadelphia (*C. Drexler*).	Salvin-Godman Coll.
m^7, n^7. ♂ ad. sk.	Waukegan, Illinois, May 24 (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
o^7, p^7. ♂ ad. sk.	Ainsworth, Illinois, Sept. 17 (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
q^7. Ad. sk.	Pennsylvania (*J. Krider*).	Seebohm Coll.
r^7. ♀ ad. sk.	Cobb's Island, Virginia, Aug. 1 (*H. W. H.*).	Salvin-Godman Coll.
s^7, t^7, u^7. ♂ ad.; v^7, w^7. ♀ ad. sk.	Corpus Christi, Texas, Nov., May (*F. B. Armstrong*).	Salvin-Godman Coll.
x^7. ♀ ad. sk.	Cedar Keys, Florida, Nov. (*Hensh. Coll.*).	Salvin-Godman Coll.
y^7, z^7, a^8. Imm. sk.	Bermuda, Dec.	Capt. Savile Reid [C.].
b^8, c^8. ♂ ad. sk.	Mustique Island, W. I., June 7 (*D. W. Smith*).	Salvin-Godman Coll.
d^8. Juv. sk.	Anguilla, March 25 (*W. R. Elliott*).	West Indian Committee [P.].
e^8. Ad. sk.	Barbados.	Sir R. Schomburgk [C.].
f^8. ♂ ad.; g^8, h^8. ♀ ad. sk.	Indefatigable Isl., Galapagos, Aug., Sept. (*Dr. Habel*).	Salvin-Godman Coll.
i^8–w^8. Ad. et imm. sk.	Cozumel Island (*G. F. Gaumer*).	Salvin-Godman Coll.
x^8. Ad. sk.	Mugeres Island (*G. F. Gaumer*).	Salvin-Godman Coll.
y^8, z^8. ♂ ♀ ad. sk.	Saw-pit Key, British Honduras, May (*O. S.*).	Salvin-Godman Coll.
a^9. ♂ ad. sk.	Turneff Land, British Honduras, May (*O. S.*).	Salvin-Godman Coll.
b^9. ♂ ad. sk.	Chiapam, Guatemala, Jan. (*O. S.*).	Salvin-Godman Coll.
c^9. Ad. sk.	Veragua (*Arcé*).	Salvin-Godman Coll.
d^9. Ad. sk.	Bahia (*Dr. Wucherer*).	Salvin-Godman Coll.
e^9. Ad. sk.	Bahia (*Dr. Wucherer*).	Seebohm Coll.
f^9. Ad. sk.	Bahia.	
g^9. Ad. sk.	Cajutuba, Brazil (*J. Natterer*).	Salvin-Godman Coll.

♂, ♀. ♂ ♀ ad. sk.	Paracas Bay, Peru, Oct. *A. H. Markham*.	Salvin-Godman Coll.
♂, ♀. Ad. sk.	Calif. Feb. *E. C. Reed*).	Salvin-Godman Coll.
♂. ♀ ad. sk.	Calif. Feb. *E. C. Reed*,	Salvin-Godman Coll.
♂. ♂ ad. sk.	Tamaulipas, Calif., Sept. 2.	Dr. Coppinger P.,
♂. Ad. sk.	Winter Island.	Antarctic Expedition.
♂. Skeleton.	England.	John Ray, Esq. P.,
♀, ♂. Skeletons.	Calif.	Purchased.

2. Arenaria melanocephala.

Strepsilas melanocephalus. *Vigors. Zool. Journ.* iv. p. 358 (1829); *id. Vig. Elenm.* p. 29 (1833); *Cass. B. N. Amer.* p. 262, pl. vii. (1858); *Cooper & Suckley, N. H. Wash. Terr.* p. 224 (1860); *Baird, Rep.* 1858, p. 424; Vancouver Isl.; *Lord & Baird, Trans. Chicago Acad.* i. p. 24 (1869); Alaska breeding; *Cass. Key N. Amer. B. Ed.* 2, p. 230 (1884); *Ezard, Brewer, & Ridgw. Water-B. N. Amer.* i. p. 134 (1884); *Murdoch, Rep. Point Barrow*, p. 107 (1885); not observed; *Sedg. George, Ibis*, Quarterly, p. 411 (1886).

Charina melanocephala. *Gray, Gen. B.* iii. p. 583 (1849); *id. Hand-l. B.* iii. p. 133, no. 11091 (1871).

Strepsilas interpres, var. melanocephalus. *Cass. Key N. Amer. B.* p. 247 (1872); *id. B. N.-West.* p. 259 (1874).

Strepsilas interpres melanocephalus. *Stearns, Bull. U.S. Nat. Mus.* no. 7, p. 17 (1876); San Clemente Isl.; *Cass. Check-l. N. Amer. B.* p. 30 (1881).

Arenaria melanocephala. *Stejn. Auk*, i. p. 227 (1884); *id. Bull. U.S. Nat. Mus.* no. 29, p. 178 (1885); *A. O. U. Check-l. N. Amer. B.* p. 135 (1886); *Ridgw. Man. N. Amer. B.* p. 181 (1887); *Turner, Contr. N. H. Alaska*, p. 71 (1887); breeding; *Nelson, Nat. Hist. Coll. Alaska*, p. 219 (1887); St. Michael's Isl.; Lower Yukon; breeding; *Turnagain, Lat.* 61° p. 13 (1887); Aiwah Bay, N. Alaska; *Belcher*, i. p. 452 (1843); Santa Cruz Isl.; *Lawrence, Ann. N.* x. p. 154 (1871).

Charadrius melanocephalus. *Swn. Hist. Brit. B.* ii. p. 13 (1837).

Adult male in summer plumage. General colour above blackish brown, with slightly iridescent black centres to the feathers; back pure white, with a black brown patch in the centre; rump and upper tail-coverts pure white; wings black brown, the greater coverts edged and tips broadly tipped with white, forming a broad wing-band; outer primary-coverts also tipped with white; quills with white margins; tail white, and with white shafts, the base of all the quills white, which increases in the secondaries until the brown colour diminishes; all the median secondaries are entirely white; the innermost secondaries brown like the back; the feathers brown, narrowly edged with white at the tip and with a broad white base; crown of head, sides of face, throat, and upper breast black brown, many of the feathers of the sides of the neck, fore-neck, and ear-coverts spotted with white, imparting a streaked appearance; the feathers of the upper breast adjoining the brown fore-neck being white with centres of brown, at once-and marks of the same colour; flanks also spotted with white; a mark

behind the upper part of the eye and a large loral spot white; all the rest of the underparts from the lower breast downwards pure white, except the thighs, which are brownish. Total length 8 inches, culmen 0·95, wing 5·7, tail 2·4, tarsus 0·95, middle toe and claw 1·1.

Adult female in breeding-plumage. Similar to the male. Total length 8 inches, culmen 0·9, wing 5·9, tail 2·4, tarsus 1, middle toe and claw 1·15.

Young male after first moult. Differs from the adult in having broad white edgings to the scapulars, wing-coverts, and inner secondaries, and in having a streak of whity brown behind the eye, without any sign of white spots on the head or sides of neck.

According to Ridgway, the old and young birds *in winter plumage* "have the anterior parts of the head smoky-brown, much lighter than the body, with no trace of white markings about the head and jugulum."

Hab. Western North America from Alaska to Monterey in California.

a. Ad. st.	N.W. America.	Purchased.
b. Ad. sk.	N.W. America.	Purchased.
c–g. ♂ ad. et juv. sk.	St. Michael's, Alaska, June, July, Aug. (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
h. ♀ ad. sk.	Xotlik, Alaska, May 20 (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
i. ♂ ad. sk.	Camp Simiamu, Nov. 19 (*C. B. Kennerly*).	Salvin-Godman Coll.
k. Ad. sk.	San Juan de Fuca.	Capt. Kellett & Lieut. Wood [P.].
l. Ad. sk.	Fort Steilacoom, Puget Sound, Aug. 29 (*G. Suckley*).	Salvin-Godman Coll.
m, n, o. Ad. sk.	Vancouver Island.	J. K. Lord, Esq. [C.].
p. ♀ imm. sk.	Esquimalt, Aug. (*G. Mathew*).	Seebohm Coll.
q, r. Ad. sk.	Esquimalt Harbour.	J. K. Lord, Esq. [C.].
s, t. ♂ ad. sk.	San Francisco, California, Aug.	Seebohm Coll.
u. Ad. sk.	San Francisco (*Hensh. Coll.*).	Salvin-Godman Coll.
v–y. ♂ ad. sk.	San Luis Obispo, California, Oct. (*H. W. Henshaw*).	Salvin-Godman Coll.
z. ♂ ad. sk.	San Miguel Island, California, Aug. 2 (*Capt. Horney*: *Hensh. Coll.*).	Salvin-Godman Coll.
a'. ♂ ad. sk.	Farallone Islands, California (*Hensh. Coll.*).	Salvin-Godman Coll.

Subfamily II. HÆMATOPODINÆ.

2. HÆMATOPUS.

	Type.
Ostralega, *Briss. Orn.* v. p. 38 (1760)	H. ostralegus.
Hæmatopus, *Linn. Syst. Nat.* i. p. 257 (1766)	H. ostralegus.
Melanibyx. *Reichenb. Nat. Syst. Vög.* p. xii (1852)	H. moquini.

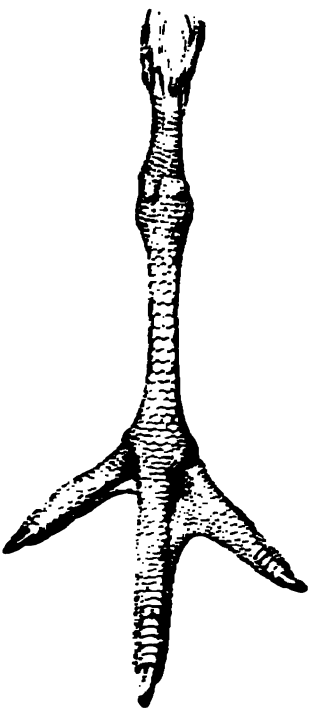


Fig. 13.—Foot of *Hæmatopus ostralegus* to show reticulation of tarsus and webbing of foot.

Fig. 14.—Side view of tarsus of *H. ostralegus* to show reticulation of the *planta tarsi*.

Range. Almost cosmopolitan.

Key to the Species.

a. With a white belly.
  b. Primaries with white on the inner webs, forming a white quill-lining.
    c. With white along the outer web of the fourth quill adjoining the white shaft-mark: sometimes the third and second quills similarly marked ..... *ostralegus*, p. 107.

b''. No white extending on to the outer web of the first to the fifth quills; sixth quill with a little white adjoining the white shaft-mark; upper tail-coverts white, tipped with black ..... *osculans*, p. 111.

b'. Quill-lining blackish, with no white markings on the inner webs of the primaries.

c''. Back glossy black like the head; edge of wing black.

a'''. Lower back and rump pure white like the upper tail-coverts, the latter broadly tipped with black; some of the inner secondaries edged with white, but none of them entirely pure white; feet pink.. *longirostris*, p. 112.

b'''. Lower back and rump black like the rest of the upper surface; upper tail-coverts pure white with small black tips; median secondary quills pure white; feet yellowish ..... *leucopus*, p. 113.

Back brown, contrasting with the black head.

c'''. With some of the median secondaries entirely white; white band on wing very broad and formed by the greater wing-coverts, which are almost entirely white; thighs pure white.

*a*⁴. A distinct white eye-spot; under wing-coverts almost entirely white, with dusky tips to the lower primary-coverts; sixth and seventh primaries marked with white on the shaft ..... *palliatus*, p. 114.

*b*⁴. White eye-spot less distinct or absent; under wing-coverts mottled with black along the bend of the wing; lower primary-coverts almost entirely dusky; sixth and seventh primaries not marked with white; chest mottled with black spots ..... *frazari*, p. 117.

d''. None of the median secondaries entirely white, but always marked with blackish; white wing-band much smaller and narrower; thighs marked with black.

*c*⁴. Upper tail-coverts white, mottled with brown; inner greater coverts white with brown bases; no white eye-spot; under tail-coverts pure white; axillaries pure white; a large patch of black above the lower primary-coverts, which are dusky; bend of wing mottled with black ..... *galapagensis*, [p. 116.

*d*⁴. Upper tail-coverts entirely brown like the rump, the lateral ones with a little white near the base; no white eye-spot; under tail-coverts white, with a great deal of sooty brown towards the ends, the longest ones almost entirely sooty brown; axillaries white, mottled with brown; bend of wing black, as

and a large patch above the lower primary-coverts white or white very restricted, the greater [illegible] with a light or white tip [illegible] the feathers [illegible] ... *antefurcus*, p. 117

b. With the belly [illegible]

d. Above [illegible] the latter [illegible] like the back [illegible]

e. Nasal [illegible] the base of the [illegible] *unicolor*, p. 114

f. Nasal [illegible] *magnus*, p. 111

d. Back [illegible] under surface [illegible]

g. Bill [illegible] *niger*, p. 121

h. Bill [illegible] [illegible] *ater*, p. 122

1. *Haematopus unicolor*

The Oystercatcher

Sea-Pie [illegible]

L'Huitrier [illegible]

Haematopus [illegible]

Nat [illegible]

Gen [illegible]

Lath [illegible]

Ind [illegible]

Syst [illegible]

Gmel [illegible]

Bonn [illegible]

Lin [illegible]

Mus [illegible]

Jard [illegible]

Ency [illegible]

Bew [illegible]

Jerd. B. Ind. iii. p. 659 (1864); *Schl. Mus. Pays-Bas*, Cursores, p. 70 (1865; Holland); *Gigl. Ibis*, 1865, p. 59; *More, t. c.* p. 432; *Degl. et Gerbe, Orn. Eur.* ii. p. 151 (1867); *Loche, Expl. Sci. Algér., Ois.* ii. p. 283 (1867); *E. C. Taylor, Ibis*, 1867, p. 69 (Suez); *Blyth, t. c.* p. 166; *Baird, t. c.* p. 282 (Iceland & Greenland); *Smith, Ibis*, 1868, p. 453 (Portugal); *Borggr. Vogelf. Norddeutschl.* p. 111 (1869); *Döderl. Avif. Sicil.* p. 179 (1869); *Elwes & Buckley, Ibis*, 1870, p. 330 (Gulf of Salonica); *Fritsch, Vög. Eur.* tab. 34. fig. 9 (1870); *Gould, B. Gr. Brit.* iv. pl. 45 (1870); *Finsch & Hartl. Vög. Ostafr.* p. 665 (1870); *Salvad. Faun. Ital., Ucc.* p. 207 (1871); *R. Gray, B. W. Scotl.* p. 268 (1871); *Saunders, Ibis*, 1871, p. 387 (S. Spain, winter); *Gray, Hand-l. B.* iii. p. 21, no. 10057 (1871); *Harting, Handb. Brit. B.* p. 45 (1872); *Shelley, B. Egypt*, p. 243 (1872); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1039 (1873); *Hume, Str. F.* i. p. 234 (1873: Karachi; Mekran Coast; Muscat); *Severtz. Turkest. Jevotn.* p. 69 (1873); *Alston & Harvie-Brown, Ibis*, 1873, p. 67 (Archangel); *Brooke, t. c.* p. 338 (Sardinia); *Hayes Lloyd, t. c.* p. 416 (Kathiawar); *Durnf. Ibis*, 1874, p. 397 (N. Frisian Isl.); *Saxby, B. Shetl.* p. 172 (1874); *Irby, Orn. Straits Gibr.* p. 163 (1875); *Fallon, Ois. Belg.* p. 149 (1875); *Danf. & Harvie Brown, Ibis*, 1875, p. 420 (Transylvania); *Le Messurier, Str. F.* iii. p. 380 (1875: Manora Point); *Dresser, Ibis*, 1876, p. 329; *Blanf. East. Pers.* ii. p. 281 (1876: Hormuz Isl., Persian Gulf); *Seeb. & Harvie-Brown, Ibis*, 1876, p. 290 (Ust Zylma, breeding); *Dresser, B. Eur.* vii. p. 567, pl. 533 (1877); *Finsch, Ibis*, 1877, p. 49 (Semipalatinsk); *Tacz. Bull. Soc. Zool. France*, ii. p. 156 (1877 : Poland); *Butler, Str. F.* v. p. 212 (1877: Mandavee); *Bogdanoff, B. Cauc.* p. 154 (1879); *Finsch, Verh. z.-b. ges. Wien*, xxix. p. 246 (1879: Irtisch); *Hume, Str. F.* viii. p. 112 (1879); *Butler, Cat. B. Sind etc.* p. 60 (1879: Sind; Cutch; Kathiawar); *id. Cat. B. S. Bomb. Pres.* p. 74 (1880: Bombay; Ratnagiri); *Vidal, Str. F.* ix. p. 83 (1880: S. Konkan); *Legge, B. Ceylon*, p. 987 (1880: N. half of West Coast); *Seebohm, Ibis*, 1882, p. 222 (Astrakhan); *id. t. c.* p. 380 (Archangel); *B. O. U. List Brit. B.* p. 162 (1883); *Seebohm, Ibis*, 1883, p. 29 (Caucasus); *Severtz. t. c.* p. 74 (Pamir-Alichur, near Boolma-Kul); *Irby, t. c.* p. 187 (Santander); *Saunders, ed. Yarrell's Brit. B.* iii. p. 294 (1883); *id. Ibis*, 1884, p. 389 (Bidassoa R., Dec.); *Bogd. Consp. Av. Imp. Ross.* p. 77 (1884); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 110 (1884); *Radde, Orn. Cauc.* pp. 44, 423 (1884: S.W. of Caspian; Lenkoran; breeding); *Seebohm, Hist. Brit. B.* iii. p. 4 (1885); *Yerbury, Ibis*, 1886, p. 21 (Aden); *Gigl. Avif. Ital.* p. 378 (1886); *Salvad. Elenco Ucc. Ital.* p. 214 (1886); *Tait, Ibis*, 1887, p. 387 (Portugal); *Saunders, Man. Brit. B.* p. 543 (1889); *Reichen. Syst. Verz. Vög. Deutschl.* p. 53 (1889); *Lilford, Ibis*, 1889, p. 339 (Cyprus); *Gigl. Avif. Ital.*, 1*st Resoc.* p. 580 (1889), 2*nd Resoc.* p. 652 (1890), 3*rd Resoc.* p. 512 (1891); *Seebohm, Ibis*, 1890, p. 409 (Great Saltee Isl.); *Brusina, Motr. etc.* (*Orn. Croat.*) p. 88 (1890); *Turle, Ibis*, 1891, p. 6 (Blasket Isl., breeding); *Gätke, Vogelw. Helgol.* p. 514 (1891); *W. Evans, Ibis*, 1891, p. 80; *Sharpe, t. c.* p. 114 (Fao, Oct.); *Madarász, Ausst. Ungar. Vogelf.* p. 104 (1891); *Frivaldsky, Aves Hung.* p. 125 (1891); *Seebohm, Ibis*, 1892, p. 24 (Heligoland); *Hartert, t. c.* p. 517 (E. Prussia); *Barnes, Ibis*, 1893, p. 170 (Aden); *Blagg, t. c.* p. 355 (Shetland); *Blaauw, Notes Leyd. Mus.* xv. p. 226 (1873: Holland).

Scolopax pica, *Scop. Ann. I.* p. 95 (1769).

1. Haematopus. *Haematopus*, P. Lin. ix. p. 229; Raf. Ann. Nat. Obs. vii. p. 116, n. 1 (1820).
Pied oyster-catcher. Lath. Gen. Syn. iii. p. 1, p. 254, pl. 84 (1787).
Oystercatcher pied. Bonn. Enc. Meth. i. p. 2 (1790).
Oystercatcher europæus. Less. Man. d'Orn. ii. p. 301 (1828); id. Traité d'Orn. p. 548 (1831).
Haematopus britannicus. Brehm, Vög. Deutschl. p. 802 (1831).
Haematopus orientalis. Brehm, l. c. p. 803.
Oystercatcher vulgaris. Less. Rev. Zool. 1838, p. 47.
Oystercatcher haematopus. Macgill. Man. Brit. B. ii. p. 59 (1842).
The Oyster-catcher. Yarrell, Brit. B. ii. p. 488 (1845).

Adult male in breeding-plumage. General colour above glossy black; lower back, rump and upper tail-coverts white; wing-coverts black, the basal-wing feathers and the median series with white tips, the greater coverts pure white, with only a little blackish patch concealed near the base; primaries black, with the greater part of the inner web white, except near the ends and for some distance parallel to the shaft, the latter with a sub-terminal white streak, widening into a broad white streak on the inner primaries, the white extending on to the outer web; secondaries pure white with black tips, the central ones white, the long inner ones black; tail white, with the terminal third black, forming a broad band; head all round with the entire throat black; under the eye a white spot; remainder of under surface of body, from the lower throat downwards, pure white; the feathers of the fore-neck which adjoin the black throat being half white and half black, to correspond with the adjacent plumage; under wing-coverts and axillaries white; "bill vermilion, tinged with yellow as far as the end of the nasal groove, the attenuated part dull yellow; feet pale lake or purplish red; edges of the eyelids vermilion; iris crimson" (*W. Macgillivray*). Total length 16 inches, culmen 2·9, wing 9·7, tail 3·9, tarsus 1·95.

Adult female. Similar to the male in plumage. Total length 17 inches, culmen 3·3, wing 10·1, tail 4, tarsus 2.

Young. Browner on the back than the adults, and with more or less sandy-brown vermiculations and margins to the ends of the feathers; across the middle of the throat a broad band of white; quills with a larger expanse of white, the white on the outer web of the third, fourth, fifth, and sixth quills continuous with the white on the inner web.

The white band on the throat is lost during the first winter, disappearing sooner in the females than in the males. In Eastern birds this white on the throat not only persists longer than in European birds, but is much more extended on the throat, being spread over the whole throat up to the chin. Every one of the young birds from Karachi shows this peculiarity. A bird obtained by Colonel Butler in August, with a perfectly black throat and with no trace of immaturity about it, has the white patches on both webs of the quills united; but as some of the latter show indications of the black extending down the centre of the quills, it is evidently impossible to find specific differences between European

and Indian Oystercatchers; though I expect to find my views as to the greater persistence of the white on the quills in Eastern birds confirmed by further material. There is considerable variation in the white shaft-markings and white quill-lining. In the adult female, however, described from Wales, there is an absence of white on the inner web of the first primary, as is usual in *H. osculans*!

Nestling. Clothed with down of a sandy-grey colour, not much mottled with black, of which two lines run down each side of the back, with a single narrow line down the rump to the tail, and a lateral stripe along the lower flanks; the head has some irregular black stripes and patches; throat dusky black; remainder of under surface of body white, as also the edge of the wing; thighs dusky blackish. As the bird increases in size the plumage becomes darker, and is strongly barred with sandy-buff tips and edges to the feathers, but the black dorsal patches are retained in full force for a long time.

Hab. Europe generally, extending south in winter to Egypt and the Red Sea, eastwards to Central Asia, wintering in N.W. India.

a. Pull. sk.	Orkneys.	Gould Coll.
b. Pull. sk.	Orkneys, June 26 (*J. H. Dunn*).	E. Hargitt, Esq. [P.].
c, d. Ad. sk.	St. Andrew's, N.B., Sept. (*R. G. W. R.*).	Tweeddale Coll.
e. ♂ ad. sk.	Lincolnshire, Sept. 14.	J. H. Caton Haigh, Esq. [P.].
f, g, h. Ad. sk.	Romney Marsh, Kent, Sept.	Dr. R. B. Sharpe [P.].
i. ♂ ad. sk.	Pagham, Sussex, Sept. 5.	Dr. Günther [P.].
k. ♀ ad. sk.	Pagham, Sept. 20.	J. E. Harting, Esq. [P.].
l, m. ♂; *n*. ♀ ad. sk.	S. Bride's, S. Wales, April.	Hon. W. Edwardes [P.].
o, p. ♀ ad. sk.	Bodö, Norway, May 7 (*F. D. G.*).	Salvin-Godman Coll.
q. ♀ juv. sk.	Heligoland, Sept. 26 (*R. B. S.*).	F. Nicholson, Esq. [P.].
r. Juv. sk.	Morocco.	J. E. Harting, Esq. [P.].
s. Juv. sk.	Suakin, Red Sea.	Surgeon-Capt. R. H. Penton [P.].
t. Imm. sk.	Erzeroum (*Huet de Pavillon*).	Gould Coll.
u. ♂ ad. sk.	River Volga, May.	Tweeddale Coll.
v. ♂ juv. sk.	Fao, Persian Gulf, Oct. 15.	W. D. Cumming, Esq. [P.].
w, x. ♂; *y–a'*. ♀ juv. sk.	Karachi, Sind, Feb. (*A. O. H.*).	Hume Coll.
b'. Ad. sk.	Karachi, Aug. (*E. A. Butler*).	Hume Coll.
c', d'. ♂ imm. sk.	Karachi, Feb., March (*E. A. B.*).	Hume Coll.
e', f'. Juv. sk.	Kutch, Jan. (*F. Stoliczka*).	Hume Coll.
g'. Juv. sk.	Balacherry, Kathiawar, Oct. 15.	Col. Hayes Lloyd [P.].
h'. Juv. sk.	Nepal.	B. H. Hodgson, Esq. [P.].
i'. Juv. sk.	Patna.	Pinwill Coll.
k'. Skeleton.	England.	Purchased.

f. Skull.	England.	John Ray, Esq. [P.].
m'. Sternum.	England.	G. Ingall, Esq. [P.].
n'. Bones of trunk.	Nepal.	B. H. Hodgson, Esq. [P.].

2. Hæmatopus osculans.

Hæmatopus hypoleuca. *Pall. Zoogr. Ross.-Asiat.* ii. p. 129 (1811, pt.: Kamtchatka: Kurile Isl.).

Hæmatopus ostralegus (*nec L.*). *Middend. Reise Sibir., Zool.* ii. p. 213 (1851: Gt. Shantár Isl., Aug.): *Cassin. Pr. Acad. Nat. Sci. Phil.* 1858, p. 196 (Japan): *Schrenck. Reis. Amurl.* p. 413 (1859: Ussuri River: Amur River): *Swinh. Ibis*, 1860, p. 63: *id. Ibis*, 1861, p. 261 (Talien Bay), p. 342 (Takow: Pekin): *Przew. Putesch. Ussuri*, no. 157 (1870): *Blyth, B. Burm.* p. 154 (1875: Arakan): *Ontes. B. Brit. Burm.* ii. p. 377 (1883).

Hæmatopus longirostris (*nec Vieill.*). *Swinh. Ibis*, 1863, p. 406 (Ape's Hill Creek, Formosa): *id. P. Z. S.* 1863, p. 310.

Hæmatopus osculans. *Swinh. P. Z. S.* 1871, p. 405: *Pelz. Verh. z.-b. Ver. Wien*, 1872, Extraheft, p. 6: *Swinh. Ibis*, 1874, p. 426 (Chefoo): *id. Ibis*, 1875, pp. 129, 453 (Hakodadi): *Tacz. Bull. Soc. Zool. France*, i. p. 249 (1876): *David & Oust. Ois. China*, p. 432 (1877: N. China, especially near Chefoo): *Blakist. & Pryer, Ibis*, 1878, p. 219 (Yezo, Yokohama): *Seebohm, Ibis*, 1879, p. 26 (Yokohama); *Blakist. & Pryer, Trans. As. Soc.* viii. p. 193 (1880); *id. op. cit.* x. p. 100 (1882): *Tacz. Bull. Soc. Zool. France*, viii. p. 339 (1883): *Blakist. Amended List B. Jap.* p. 11 (1884: Japan generally): *Stejn. Bull. U.S. Nat. Mus.* no. 29, pp. 100, 138 (1885: Kamtchatka): *Tacz. P. Z. S.* 1888, p. 459 (Corea): *Seebohm, Geogr. Distr. Charadr.* p. 303 (1888): *id. B. Japan. Emp.* p. 319 (1890: Kurile Isl.: Yezo: Yokohama): *Styan, Ibis*, 1891, pp. 330, 504 (Lower Yangtse, winter): *Campbell, Ibis*, 1892, p. 246 (Corea): *De La Touche, t. c.* p. 497 (Foochow and Swatow).

Hæmatopus ostralegus osculans, *Stejn. Bull. U.S. Nat. Mus.* no. 29, p. 100 (1885).

Adult male. Similar to *H. ostralegus*, but with a decidedly longer bill, and distinguished by the white pattern of the primary quills, the shafts of which are white towards the ends, as in *H. ostralegus*, but the white begins to extend on to the outer web of the quill only from the *sixth* onwards. The difference of the white occurring on the *second* quill is not constant, as we have seen European birds which have the first primary entirely dark on the inner web, as in *H. osculans*: "bill bright orange-red; legs fine pink, with pale brownish claws; iris crimson, eyelid bright orange-red" (*R. Swinhoe*). Total length 18 inches, culmen 3·8, wing 10·3, tail 4·2, tarsus 1·85.

Adult female. Similar to the female of *H. ostralegus*, but distinguished by the white markings on the quills, the white extending on to the *outer* web from the white shaft-streak only from the sixth quill onwards. The first primary has no white on the inner web. Total length 18 inches, culmen 3·7, wing 10·4, tail 4·2, tarsus 2.

Young. Differs from the adult in having the black feathers margined with white, and in having a white patch across the throat, though Dr. Stejneger states that the young birds procured by him in

Kamtchatka had no white bar across the throat: "bill orange-red, the tip dusky; feet pale bluish flesh-colour; iris raw-umber; naked eye-ring orange" (*Dr. Stejneger*).

Hab. Eastern Siberia and Kamtchatka, south to China and the Burmese provinces in winter.

a. ♀ ad. sk.	Corea.	C. W. Campbell, Esq. [P.].
b. ♀ ad. sk.	Yezo, Japan (*Admiral St. John*).	Tweeddale Coll.
c. Ad. sk.	Shanghai.	Gould Coll.
d. Ad. sk.	Fokien.	Gould Coll.
e. ♂ ad. sk.	Naab River, Arakan, Jan. 15 (*Shopland*).	Oates Coll.

3. Hæmatopus longirostris.

Hæmatopus longirostris, *Vieill. N. Dict. d'Hist. Nat.* xv. p. 410 (1817: Australia); *Gray, List Gralle Brit. Mus.* p. 72 (1844); *Gould, B. Austr.* vi. pl. 7 (1845); *Gray, Voy. Ereb. & Terror, Birds*, p. 12 (1846); *id. Gen. B.* iii. p. 547 (1846); *Reichenb. Vög. Neuholl.* p. 30, no. 311 (1849); *id. Handb. Grall., Novit.* tab. clxix. figs. 2412–14 (1851); *MacGilliv. Voy. Rattlesn.* ii. p. 358 (1852: N.E. Australia; Torres Straits); *Bp. C. R.* xliii. p. 420 (1856); *Gray, P. Z. S.* 1858, p. 197 (Aru Is.); *Scl. Journ. Proc. Linn. Soc., Zool.* ii. p. 169 (1858: New Guinea); *Gray, Cat. Mamm. & Birds New Guin.* pp. 51, 62 (1859); *id. P. Z. S.* 1861, p. 438; *id. Ibis*, 1862, p. 235; *Rosenb. Nat. Tijdschr. Nederl. Ind.* xxv. p. 253 (1863); *id. J. f. O.* 1864, p. 136 (New Guinea; Aru Isl.); *Gould, Handb. B. Austr.* ii. p. 215 (1865); *Finsch, Neu-Guinea*, p. 181 (1865); *Schl. Mus. Pays-Bas*, Cursores, p. 73 (1865; Oetanata); *Rosenb. Reis naar Zuidoostereil.* p. 53 (1867: Aru Isl.); *Hutton, Ibis*, 1870, p. 398 (Auckland); *Gray, Hand-l. B.* iii. p. 21, no. 10062 (1871); *Finsch, J. f. O.* 1874, p. 194 (New Zealand); *Harvie-Brown, Ibis*, 1874, p. 96 (Otaio R., N. Z.); *Rosenb. Reistocht. Geelvinkb.* p. 9 (1875: Ternate); *Sharpe, Voy. Ereb. & Terror, Birds*, App. p. 30 (1875); *D'Alb. Ann. Mus. Gen.* x. p. 20 (1877); *id. Ibis*, 1877, p. 372 (Fly River); *Masters, Proc. Linn. Soc. N. S. W.* i. p. 60 (1877: Cape Grenville & Cocoanut Isl.); *Ramsay, t. c.* p. 187; *id. op. cit.* ii. p. 197 (1878: Australia generally); *Rosenb. Malay. Archip.* pp. 373, 563 (1878–79: Aru Isl.); *D'Alb. & Salvad. Ann. Mus. Gen.* xiv. p. 128 (1879: Katau); *Salvad. op. cit.* xviii. p. 323 (1882); *id. Orn. Pap.* iii. p. 287 (1882); *Sharpe, Rep. Zool. Coll. Voy. 'Alert,'* p. 27 (1884: Wednesday Isl.); *Mathew, Proc. Linn. Soc. N. S. W.* x. p. 254 (1886: Claremont Is.); *Seebohm, Geogr. Distr. Charadr.* p. 304 (1888); *Ramsay, Tab. List Austr. B.* p. 19 (1888: nearly the whole of Australia); *Buller, B. New Zeal.* 2nd ed. ii. p. 16 (1888); *North, Proc. Linn. Soc. N. S. W.* (2) iii. p. 1778 (1889: Cumberland, N. S. W.); *id. Nests & Eggs Austr. B.* p. 299 (1889); *Salvad. Agg. Orn. Pap.* iii. p. 198 (1891); *Walker, Ibis*, 1892, p. 257 (Adèle Isl., N.W. Australia).

Hæmatopus picatus, *Vigors in King's Voy. Austr.* ii. App. p. 420 (1826); *Gray in Dieffenb. Trav. N. Zeal.* ii. App. p. 196 (1843: New Zealand); *Ellman, Zool.* 1861, p. 7469.

Hæmatopus australasianus, *Gould, P. Z. S.* 1837, p. 155.

Hæmatopus ostralegus (*nec L.*), *S. Müll. Verh. Land- en Volkenk.* p. 22 (1839–44: New Guinea).

Adult male. Similar to *H. ostralegus*, but having no white on the inner webs of the primaries; the back glossy black like the head, and the edge of the wing black; lower back and rump pure white, like the upper tail-coverts, the latter broadly tipped with black; some of the inner secondaries edged with white, but none of them entirely pure white: "bill and eyelash deep orange-scarlet; feet light brick-red; iris crimson" (*J. Gould*). Total length 17 inches, culmen 3·4, wing 10·1, tail 4, tarsus 1·95.

Adult female. Similar to the male. Total length 17 inches, culmen 3·4, wing 10·5, tail 4·4, tarsus 2·05.

Hab. Australia, New Zealand, and the Papuan and Moluccan Islands.

a. Ad. sk.	New Zealand.	New Zealand Co.
b, c. Ad. sk.	Oomaru, N. Z.	Hume Coll.
d. ♂ ad. sk.	Hummock Isl., Bass' Straits (*F. M. Rayner*).	Voy. H.M.S. 'Herald.'
e. Juv. sk.	Green Island, Bass' Straits.	Purchased.
f. Ad. sk.	Australia.	Old Coll.
g, h. Ad. sk.	Australia.	Gould Coll.
i, k. Ad. st.	New South Wales.	Australian Museum [P.].
l. Ad. sk.	S. Australia.	Dr. Woodward [P.].
m. Ad. sk.	S. Australia.	Sir G. Grey [P.].
n. Ad. sk.	S. Queensland.	Tweeddale Coll.
o. Ad. sk.	Queensland (*J. T. Cockerell*).	Salvin-Godman Coll.
p. Ad. sk.	Dunk Island, N.E. Australia (*J. Macgillivray*).	Voy. H.M.S. 'Rattlesnake.'
q. Ad. sk.	Sandy Island, N.E. Australia (*J. B. Jukes*).	Voy. H.M.S. 'Fly.'
r. ♀ ad. sk.	Wednesday Island, Torres Straits (*Dr. Coppinger*).	Voy. H.M.S. 'Alert.'
s, t. Ad. sk.	Port Essington.	Capt. Chambers [P.].
u. Ad. sk.	Aru Islands.	Wallace Coll.
v. Skeleton.		Voy. H.M.S. 'Challenger.'
w, x. Skulls.		Voy. H.M.S. 'Rattlesnake.'

4. Hæmatopus leucopus.

Hæmatopus leucopodus, *Garn. Ann. des Sci. Nat.* vii. p. 47 (1826: Falkland Islands); *Ridgw. Man. N. Amer. B.* p. 182 (1887).

Ostralega leucopus, *Garn. & Less. Voy. Coquille*, i. p. 721 (1826); *Less. Man. d'Orn.* ii. p. 301 (1828); *id. Traité*, p. 548 (1831).

Hæmatopus luctuosus, *Cuv. Règne Anim.* i. p. 504 (1829); *Schl. Mus. Pays-Bas*, Cursores, p. 74 (1865: Falkland Is.); *Gray, Hand-l. B.* iii. p. 21, no. 10058 (1871).

Hæmatopus arcticus, *Jard. ed. Wilson's Amer. Orn.* iii. p. 35, pl. lxiv. fig. 2 (1832); *id. & Selby, Ill. Orn.* pl. 125 (1833); *Gray, Gen. B.* iii. p. 547 (1847); *Bp. C. R.* xliii. p. 420 (1856); *Gray, Hand-l. B.* iii. p. 21, no. 10061 (1871).

Hæmatopus leucopus, *Gray, List Grallæ Brit. Mus.* p. 72 (1844: Tierra del Fuego); *id. Gen. B.* iii. p. 547 (1847); *Scl. P. Z. S.* 1860, p. 386 (Falkland Is.); *Abbott, Ibis*, 1861, p. 156 (Falkland Is., breeding); *Scl. & Salv. Nomencl. Av. Neotrop.* p. 143 (1873); *iid. P. Z. S.* 1878, p. 437 (Penguin Isl.); *Sharpe, P. Z. S.* 1881,

p. 15 (Cape Sambo, Trinidad Channel; Tom Bay; Hugh Bay); *Scl. & Salv. Voy. 'Challenger,'* ii. p. 108 (1881: Penguin Isl.; Elizabeth Isl.; Tom Harbour); *Seeb. Geogr. Distr. Charadr.* p. 306 (1888); *Ridgw. Proc. U.S. Nat. Mus.* xii. p. 136 (1889: Elizabeth Isl.); *Oust. Miss. Sci. Cap Horn, Ois.* p. 121 (1891).

Adult male. Black with a white belly, like *H. ostralegus* and its allies, but distinguished by its black lower back and rump, the upper tail-coverts and base of tail being white; the greater part of the under wing-coverts also are black; primaries entirely black, without any white along the shaft or on the inner web: "bill orange-red; feet grey; iris and eyelid brilliant yellow" (*Dr. Coppinger*). Total length 16·5 inches, culmen 2·8, wing 10·2, tail 3·8, tarsus 1·65.

Adult female. Similar to the male in colour: "legs and feet flesh-coloured, claws black; iris bright yellow; eyelid yellow" (*Dr. Coppinger*). Total length 16 inches, culmen 2·7, wing 10, tail 4, tarsus 1·7.

Young. Similar to the adults, with a white breast and abdomen, but more dusky black, with rusty margins to all the feathers of the upper surface.

Hab. Falkland Islands and Straits of Magellan.

a. Ad. sk.	South America.	The Admiralty [P.].
b. Ad. sk.	Tierra del Fuego.	Sir W. Burnett & Capt. Fitzroy [P.].
c, d. ♀ ad. et pull. sk.	Tom Harbour, Straits of Magellan, Jan. 6.	Voy. H.M.S. 'Challenger.'
e. ♂ ad. sk.	Elizabeth Island.	Voy. H.M.S. 'Challenger.'
f. ♂ ad. sk.	Penguin Island, Messier Channel.	Voy. H.M.S. 'Challenger.'
g. Ad. sk.	Hermit Island, Oct. 11 (*Dr. McCormick*).	AntarcticExpedition.
h, i. ♂ ad. sk.	Tom Bay, Jan. 16 (*Dr. Coppinger*).	Voy. H.M.S. 'Alert.'
k. ♂ juv. sk.	Hugh Bay, Feb. 27 (*Dr. Coppinger*).	Voy. H.M.S. 'Alert.'
l. Ad. sk.	Cape Sambo, March 3 (*Dr. Coppinger*).	Voy. H.M.S. 'Alert.'
m. Juv. sk.	Falkland Islands.	AntarcticExpedition.
n. Ad. sk.	Falkland Islands.	Tweeddale Coll.
o, p. Ad. sk.	Falkland Islands (*Leconte*).	Salvin-Godman Coll.
q. Juv. sk.	S. Salvador Bay, Falklands, Dec.	McCormick Bequest.
r. Ad. sk.	Berkeley Sound, Falklands, May (*Dr. McCormick*).	Antarctic Expedition.
s. Skeleton.	Patagonia.	Dr. Coppinger [P.].

5. Hæmatopus palliatus.

The American Oystercatcher.

The Oyster-catcher, *Catesby, Nat. Hist. Carol.* i. p. 85, pl. 85 (1731).

Hæmatopus ostralegus (*nec L.*), *Wils. Amer. Orn.* viii. p. 15, pl. lxiv. fig. 2 (1814, pt. nec tab.).

Hæmatopus palliatus, *Temm. Man. d'Orn.* ii. p. 532 (1829); *Audub.*

B. Amer. pl. 223 (c. 1826); *Neuwied, Beitr. Naturg. Bras.* iv. p. 746 (1833); *Audub. Orn. Biogr.* iii. p. 181 (1835), v. p. 580 (1839); *Gould, Voy. 'Beagle,' Birds*, p. 128 (1841: Rio Plata); *Audub. B. Amer.* v. p. 236, pl. 324 (1842); *Jard. & Selby, Ill. Orn.* (n. s.) pl. 7 (1836: Florida Keys); *Giraud, B. Long Isl.* p. 222 (1844); *Gray, List Grallæ Brit. Mus.* p. 72 (1844); *id. Gen. B.* iii. p. 547 (1847); *Lembeye, Av. Cuba*, p. 104 (1850); *Burm. Th. Bras.* iii. p. 366 (1856); *Gundl. J. f. O.* 1856, p. 423 (Cuba); *Cassin in Baird's B. N. Amer.* p. 699 (1858); *Bryant, Proc. Bost. Soc.* vii. p. 121 (1859: Bahamas); *Brewer, t. c.* p. 308 (1860: Cuba); *Newton, Ibis*, 1861, p. 115 (St. Thomas); *Salvin, Ibis*, 1863, p. 190 (Guatemala); *Schl. Mus. Pays-Bas*, Cursores, p. 74 (1865: pt.); *Dresser, Ibis*, 1866, p. 34 (Galveston Bay); *Gundl. Repert. Fisico-Nat. Cuba*, i. p. 358 (1866); *Scl. P. Z. S.* 1867, p. 339; *Lawr. Ann. Lyc. N. Y.* ix. p. 141 (1868: Costa Rica), p. 210 (Yucatan); *Sundev. Œfv. K. Vet.-Akad. Förh.* 1869, p. 588 (St. Bartholomew); *Pelz. Orn. Bras.* p. 298 (1871: Matto Grosso; Cujutuba); *Gray, Hand-l. B.* iii. p. 21, no. 10059 (1871); *Coues, Key N. Amer. B.* p. 246 (1872); *Scl. & Salv. Nomencl. Av. Neotrop.* p. 143 (1873); *Gundl. Anal. Soc. Esp. Hist. Nat.* vii. p. 379 (1878: Cuba); *Merrill, Proc. U.S. Nat. Mus.* i. p. 160 (1878: Padre and Brazos Isl., Texas; breeding); *Sennett, Bull. U.S. Geol. Surv.* iv. p. 53 (1878: Texas); *Maynard, B. East. N. Amer.* p. 365 (1879); *Cory, B. Bahamas*, p. 150 (1880: resident); *Merrill, Proc. U.S. Nat. Mus.* iii. p. 198 (1880); *Belding, Proc. U.S. Nat. Mus.* v. p. 527 (1882: Coronados Is.); *Zeledon, Cat. Aves Costa Rica*, p. 30 (1882); *Coues, Check-l. N. Amer. B.* p. 98 (1882); *Belding, Proc. U.S. Nat. Mus.* vi. p. 351 (1883: Lower California); *Cory, B. S. Domingo*, p. 145 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 606 (1884); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 112 (1884); *Brewster, Auk*, ii. p. 384 (1885: Massachusetts); *Turner, Proc. U.S. Nat. Mus.* viii. p. 245 (1885: Labrador); *A. O. U. Check-l. N. Amer. B.* p. 165 (1886); *Evermann, Auk*, iii. p. 92 (1886; Ventura Co., California); *Dutcher, t. c.* p. 439 (Long Isl.); *Cory, Auk*, iv. p. 230 (1887: Bahamas; Cuba; Haiti; S. Domingo; Porto Rico; St. Bartholomew); *Scott, t. c.* p. 270 (Florida); *Ridgw. Man. N. Amer. B.* p. 182 (1887); *Seebohm, Geogr. Distr. Charadr.* p. 305 (1888); *Scott, Auk*, vi. p. 160 (1889: Florida); *Cory, B. West Indies*, p. 230 (1889); *Salv. Ibis*, 1889, p. 379 (Cozumel); *Northrop, Auk*, viii. p. 76 (1891: Andros Isl.); *Witmer Stone, t. c.* p. 245 (Delaware); *Cory, t. c.* p. 297 (Caicos Isl.), p. 334 (Abaco Isl.), p. 351 (Inagua); *id. Auk*, ix. p. 48 (1892: Maraguana); *Scott, t. c.* p. 212 (Florida); *Berlepsch, J. f. O.* 1892, pp. 104, 121 (Curaçao Is.); *Cory, Cat. W. Ind. B.* p. 95 (1892: Greater and Lesser Antilles; Bahamas); *Dutcher, Auk*, x. p. 272 (1893: Long Island); *Hartert, Ibis*, 1893, p. 308 (Aruba), p. 325 (Curaçao).

Hæmatopus brasiliensis, *Licht. Verz. Doubl.* p. 73 (1823); *All Bull. Amer. Mus.* ii. p. 271 (1889).

Ostralega palliata, *Less. Traité*, p. 548 (1831).

The Oyster-catcher, *Nuttall, Man. Orn.* ii. p. 15 (1834).

Adult male. General colour above earthy brown from the hi neck downwards, and including the lower back and rump; the sid of the latter and the upper tail-coverts pure white, the latter tipp with brownish; tail white, with nearly the terminal half blackis brown, forming a very broad band, decreasing in extent tow

the outermost; wing-coverts like the back, the greater series pure white, with only black at the extreme base; bastard-wing feathers broadly tipped with white; primary-coverts and quills blackish brown, the first five quills unmarked with white, the remainder with white near the end of the shaft extending on to the outer web in a longitudinal patch, the base of the inner web white; secondaries pure white, the innermost ones brown like the back; head and neck all round black; a white spot below the eye; remainder of under surface of body from the fore-neck downwards pure white, including the under wing-coverts and axillaries: "bill (in life) rich vermilion; legs and feet pale dull fleshy white; eyelids rich vermilion; iris bright yellow" (*Baird, Brewer, & Ridgway*). Total length 15·5 inches, culmen 3·3, wing 9·7, tail 3·9, tarsus 2·1.

Adult female. Similar in colour to the male. Total length 17 inches, culmen 3·2, wing 10, tail 3·9, tarsus 2·2.

Young. Marked as in the adult, but the whole of the dark feathers tipped or margined with rusty-buff spots or bars; the white upper tail-coverts also tinged with rust-colour; black of the head and throat dusky, with rusty edgings to the feathers of the crown; the chin white.

Hab. North America, the West India Islands, and Central America, as far as Southern Brazil in Eastern South America.

a, b. ♂; *c.* ♀; *d, e.* Pull. sk.	Cobb's Island, Virginia, July, Sept. (*H. W. Henshaw*).	Salvin-Godman Coll.
f–l. ♂ ♀ ad. et imm. sk.	Corpus Christi Pass, Texas, May, June (*F. B. Armstrong*).	Salvin-Godman Coll.
m. Ad. sk.	Mexico.	Purchased.
n, o, p. Imm. sk.	Cozumel Island (*G. F. Gaumer*).	Salvin-Godman Coll.
q, r. Ad. sk.	Chiapam, Guatemala, Jan. (*O. S.*).	Salvin-Godman Coll.
s. Ad. sk.	Veragua (*E. Arcé*).	Salvin-Godman Coll.
t. ♀ ad. sk.	Santa Catarina, Brazil (*H. Rogers*).	Salvin-Godman Coll.

6. Hæmatopus galapagensis.

Hæmatopus palliatus (*nec Temm.*), *Scl. & Salv. P. Z. S.* 1870, p. 323 (Indefatigable Is.); *Sundev. P. Z. S.* 1871, p. 125 (Galapagos); *Salv. Trans. Zool. Soc.* ix. p. 502 (1875: Indefatigable Is.).

Hæmatopus galapagensis, *Ridgw. Auk*, iii. p. 331 (1886: Chatham Is.); *id. Proc. U.S. Nat. Mus.* ix. p. 325 (1886); *id. Man. N. Amer. B.* p. 187 (1887); *id. Proc. U.S. Nat. Mus.* xii. pp. 116, 128 (1889: James Is.).

Hæmatopus leucopus galapagensis, *Seebohm, Geogr. Distr. Charadr.* p. 307 (1888).

Adult male. Similar to *H. palliatus*, but much darker and more blackish above, with the tail almost entirely blackish except for a little white at the extreme base, and a white edging to the outer feather; there is no white shaft-mark on *any* of the primaries, and none of the secondaries are pure white, as all of them have some dark markings near the ends; the upper tail-coverts are very

broadly tipped with dark brown; under wing-coverts and axillaries white, but the lateral ones near the bend of the wing and the outer lower greater coverts black; the lower primary-coverts sooty blackish; the outer aspect of the thighs blackish: "bill red; feet pale flesh-colour; iris golden yellow; eyelids red" (*R. Ridgway*). Total length 15 inches, culmen 3·5, wing 9·9, tail 3·5, tarsus 2·15.

Hab. Galapagos Islands.

a. ♂ ad.; *b*. ♀ ad. sk.	Indefatigable Island, Galapagos, Sept. 18 (*Dr. A. Habel*).	Salvin-Godman Coll.
c. ♂ ad. sk.	Indefatigable Island, Galapagos.	Dr. A. Habel [C.].

7. Hæmatopus frazari *.

Hæmatopus palliatus (*nec Temm.*), *Scl. & Salv. Ibis*, 1870, p. 499 (Straits of Magellan); *Tacz. P. Z. S.* 1877, p. 748 (Peru); *Salv. P. Z. S.* 1883, p. 429 (Paracas Bay); *Tacz. Orn. Pérou*, iii. p. 350 (1886); *Macf. Ibis*, 1887, p. 205 (San Lorenzo Is., Peru); *Brewster, Auk*, v. p. 86 (1888: Isabella Isl., W. Coast of Mexico, Tehuantepec).

Hæmatopus frazari, *Brewster, Auk*, v. p. 84 (1888: Carmen Is., Gulf of California); *Townsend, Proc. U.S. Nat. Mus.* xiii. p. 138 (1890: Concepcion Bay).

Adult male. Similar to *H. palliatus*, but much darker brown on the back and with no white on the primaries; the axillaries and under wing-coverts white, but mottled with spots of black along the edge of the wing and showing a small blackish patch above the lower primary-coverts, which are dusky like the quill-lining; chest mottled with black spots forming a kind of band: "bill dark carmine; legs pale flesh-colour, in skin" (*W. Brewster*). Total length 17 inches, culmen 3·15, wing 10·4, tail 3·8, tarsus 2·15.

Hab. S. California, and probably the whole western coast of Central and Southern America to Chili.

a. ♀ ad. sk.	Tres Marias Islands, West Mexico, March 17 (*A. Forrer*).	Salvin-Godman Coll.
b. ♂ ad. sk.	Arauco, Tarapacá, Aug. 10 (*L. Lane*).	Berkeley James Coll.
c. ♀ ad. sk.	Paracas Bay, Peru, Oct. (*A. H. Markham*).	Salvin-Godman Coll.
d. ♂ ad. sk.	Prov. Santiago, Chili (*Leybold*).	Salvin-Godman Coll.
e–h. Ad. et imm. sk.	Central Chili.	Berkeley James Coll.

8. Hæmatopus durnfordi. (Plate VI.)

Hæmatopus palliatus (*nec Temm.*), *Durnf. Ibis*, 1878, p. 403 (Tambo Point, Chupat River Mouth: breeding); *Scl. & Huds. Argent. Orn.* ii. p. 176 (1889: Tambo Point).

* I have never seen a really typical *H. frazari* from Southern California, but I expect that the specimens here enumerated will be found to belong to that species.

Adult. Very similar to *H. galapagensis* and of the same dark chocolate-brown colour, but with a remarkably small bill. None of the inner primaries white-shafted, agreeing in this respect with *H. galapagensis* and *H. frazari*, but differing from both in the colour of the upper tail-coverts, which are blackish brown, and of the under tail-coverts, which are smudged with sooty brown for the greater part; the greater coverts are *tipped* with white only, forming a very narrow band, and none of the inner secondaries are entirely white, but they have on the contrary a great deal of black at the ends on the outer webs: "bill dark pink; legs and feet greenish yellow; iris light orange" (*H. Durnford*). Total length 16 inches, culmen 2·55, wing 9·7, tail 3·6, tarsus 1·9.

Hab. Patagonia.

a. Ad. sk. Tambo Point, Patagonia, Jan. 3. H. Durnford, Esq. [C.].

9. Hæmatopus unicolor.

Hæmatopus unicolor, *Wagl. Isis*, 1832, p. 1230; *Forster, Descr. Anim.* p. 112 (1844); *Gray, List Grallæ Brit. Mus.* p. 73 (1844); *id. Voy. Ereb. & Terr., Birds*, p. 12, pl. 10 (1846); *id. Gen. B.* iii. p. 547 (1847); *Bp. C. R.* xliii. p. 420 (1856); *Gray, Ibis*, 1862, p. 235 (New Zealand); *Schl. Mus. Pays-Bas*, Cursores, p. 75 (1865: N.E. Australia); *Hutton, Ibis*, 1870, p. 398 (Auckland); *Gray, Hand-l. B.* iii. p. 22, no. 10063 (1871); *Finsch, J. f. O.* 1872, p. 170 (New Zealand); *Buller, B. New Zeal.* p. 225 (1873); *Pelz. Ibis*, 1873, p. 120; *Harvie-Brown, Ibis*, 1874, p. 96 (New Zealand); *Sharpe, Voy. Ereb. & Terr., Birds*, App. p. 30, pl. 10 (1875); *Ramsay, Proc. Linn. Soc. N. S. W.* ii. p. 187 (1878); *Buller, B. New Zeal.* 2nd ed. ii. p. 18 (1888); *Seebohm, Geogr. Distr. Charadr.* p. 308 (1888); *Ramsay, Tab. List Austr. B.* p. 19 (1888: Australia generally); *North, Nests & Eggs Austr. B.* p. 300, pl. xx. fig. 2 (1889); *Forbes, Ibis*, 1893, p. 545 (Chatham Isl.).

Hæmatopus fuliginosus, *Gould, B. Austr.* vi. pl. 8 (1845); *Gray, Gen. B.* iii. p. 547 (1847); *Reichenb. Vög. Neuholl.* no. 319 (1849); *Gray, P. Z. S.* 1858, p. 197; *id. Cat. Mamm. & B. New Guin.* p. 62 (1859); *Gould, Handb. B. Austr.* ii. p. 217 (1865); *Masters, Proc. Linn. Soc. N. S. W.* i. p. 60 (1877: Palm Isl.); *Ramsay, t. c.* p. 187; *Walker, Ibis*, 1892, p. 257 (Adèle Isl., N.W. Australia).

Hæmatopus niger (*nec Pall.*), *Ellman, Zool.* 1861, p. 7469 (New Zealand); *Finsch, Ibis*, 1882, p. 399 (Wanganui, N. Z.).

Hæmatopus opthalmicus, *Castelnau & Ramsay, Proc. Linn. Soc. N. S. W.* i. p. 385 (1877: Bountiful Isl., N. Australia); *Ramsay, op. cit.* ii. p. 187 (1878: Gulf of Carpentaria); *id. Tab. List Austr. B.* p. 19 (1888).

Melanibyx fuliginosus, *Heine & Reichen. Nomencl. Mus. Hein.* p. 337 (1882–90: W. Australia).

Adult male. Entirely glossy black above and below, including the wings and tail: "bill and eyelash extremely rich orange-yellow; legs and feet dull brick-red; iris red" (*J. Gould*). Total length 18 inches, culmen 3·3, wing 11·5, tail 4·4, tarsus 2·1.

Adult female. Similar to the male but somewhat more sooty brown and not so glossy black. Total length 17 inches, culmen 3·2, wing 11·2, tail 4·7, tarsus 2.

Young. More dusky than the adults, and mottled with sandy edgings to the feathers.

Hab. Australia and New Zealand.

a. Ad. st.	New Zealand.	Percy Earl, Esq. [P.].
b. Ad. sk.	New Zealand.	New Zealand Co.
c. Ad. sk.	New Zealand.	Sir E. Home [P.].
d. ♂ ad. sk.	New Zealand.	Seebohm Coll.
e, f. ♂ ad. et ♀ imm. sk.	Hardy Bay, Derby Is., N. Z.	Voy. H.M.S. 'Challenger.'
g. ♀ ad. sk.	Flinders' Is., Bass' Straits (*F. M. Rayner*).	Voy. H.M.S. 'Herald.'
h. Ad. sk.	Tasmania.	Seebohm Coll.
i, k. ♂ ad. sk.	Australia.	Seebohm Coll.
l. Ad. sk.	New South Wales.	Australian Museum [P.].
m. Ad. sk.	New South Wales.	Hume Coll.
n. Ad. sk.	Sydney.	Seebohm Coll.
o. Ad. st.	South Australia.	Sir G. Grey [P.].
p. Juv. st.	South Is., Houtmans'Abrolhos.	Gould Coll.
q. ♀ ad. sk.	Rottnees Is., W. Australia, Aug. 12.	Gould Coll.
r, s, t. Ad. sk.	Queensland (*J. T. Cockerell*).	Salvin-Godman Coll.
u. ♂ ad. sk.	Troughton Is., N.W. Australia.	Dr. Bassett Smith [P.].
v. Skull.		Voy. H.M.S. 'Rattlesnake.'

10. Hæmatopus moquini.

Hæmatopus niger (*nec Pall.*), *Temm. Man. d'Orn.* ii. p. 533 (1820); *Webb & Berth. Orn. Canar.* p. 33 (1841); *Gray, List Grallæ Brit. Mus.* p. 73 (1844: Cape); *Rüpp. Syst. Uebers.* p. 118 (1845: Dahalak Is.); *Gray & Mitchell, Gen. B.* iii. pl. 146 (1847); *Bolle, J. f. O.* 1855, p. 175 (Canary Is.); *Heugl. Syst. Uebers.* p. 57 (1856: Dahalak, *ex Rüpp.*); *Bp. C. R.* xliii. p. 420 (1856, pt.); *Lotz, J. f. O.* 1857, p. 337 (Canary Is.); *Schl. Mus. Pays-Bas, Charadrii*, p. 76 (1865, pt.); *Chapman, Trav. S. Afr.* ii. App. p. 416 (1868).

Ostralega capensis, *Licht. Verz. Doubl.* p. 73 (1823: nom. nudum).

Hæmatopus capensis, *Gray, Gen. B.* iii. p. 547 (1847); *Sharpe, ed. Layard's B. S. Afr.* p. 672 (1884); *Meade-Waldo, Ibis*, 1889, pp. 13, 598 (Canary Is.), 1890, p. 437, 1893, p. 204 (Canary Is., breeding).

Hæmatopus moquini, *Bp. C. R.* xliii. p. 1020 (1856); *Hartl. Orn. W.-Afr.* p. 218 (1857: Gaboon); *Gurney, Ibis*, 1862, p. 34 (Natal); *Layard, B. S. Afr.* p. 300 (1867); *Gray, Hand-l. B.* iii. p. 122, no. 10884 (1871); *Gurney in Anders. B. Dam. Ld.* p. 277 (1872: Walwisch Bay); *Godman, Ibis*, 1872, p. 250 (Teneriffe, breeding); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1011 (1873); *Koenig, J. f. O.* 1880, p. 207 (Madeira).

Melanibyx moquini, *Reichenb. Grall.* pl. 168. figs. 1042–43 (1851).

Hæmatopus unicolor (*nec Wagl.*), *Licht. Nomencl. Av. Mus. Berol.* p. 93 (1854 : Kaffernland).

Melanibyx capensis, *Heine & Reichen. Nomencl. Mus. Hein.* p. 337 (1882–90).

Adult. Similar to *H. unicolor*, and scarcely to be distinguished from it, but the nasal groove not quite so prolonged and extending only just beyond the angle of the genys, the feet being more purplish red in colour: "bill orange-red; feet carmine-red; iris bright red; ring round the eye orange-red" (*C. J. Andersson*). Total length 20 inches, culmen 3, wing 11·6, tail 4·7, tarsus 1·9.

Hab. South Africa, to the Red Sea on the East, and Gaboon on the West coast; Canaries; Madeira.

a, b. Ad. sk.	Cape of Good Hope.	Sir A. Smith [C.].
c. Ad. sk.	Cape Colony.	J. E. Harting, Esq. [P.].
d. Skeleton.	S. Africa.	Eyton Coll.

11. Hæmatopus niger.

Hæmatopus niger, *Pall. Zoogr. Ross.-Asiat.* ii. p. 131 (1811 : Kurile & Kodiak Is.); *Cass. in Baird, B. N. Amer.* p. 700 (1858 : Alaska; California); *Schl. Mus. Pays-Bas*, Cursores, p. 76 (1865, pt.); *Brown, Ibis*, 1868, p. 424 (Vancouver Is.); *Dall & Bann. Tr. Chic. Acad.* i. p. 290 (1869 : Sitka; Kodiak); *Gray, Hand-l. B.* iii. p. 22, no. 10067 (1871); *Coues, Key N. Amer. B.* p. 246 (1872 : Pacific coast); *Dall, Notes Avif. Aleut. Isl.* p. 4 (1873 : breeding); *Streets, Bull. U.S. Nat. Mus.* no. 7, p. 17 (1877 : S. Martin's Island, Lower California); *Coues, Check-l. N. Amer. B.* p. 98 (1882); *Bean, Proc. U.S. Nat. Mus.* v. pp. 163, 173 (1882 : Alaska); *Belding, t. c.* p. 528 (Lower California); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 116 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 607 (1884); *Seebohm, Geogr. Distr. Charadr.* p. 310 (1888); *id. B. Japan. Emp.* p. 313 (1890 : Kurile Isl.); *Rhoads, Auk*, x. p. 17 (1893 : British Columbia).

Hæmatopus bachmani, *Audub. B. Amer.* pl. 427. fig. 1 (c. 1826); *id. Orn. Biogr.* v. p. 245 (1839); *id. B. Amer.* 8vo, v. p. 243, pl. 325 (1842 : Regent's Sound); *Gray, Gen. B.* iii. p. 547 (1847); *Stejn. Bull. U.S. Nat. Mus.* no. 29, p. 102 (1885 : Aleutian Is.); *A. O. U. Check-l. N. Amer. B.* p. 166 (1886); *Evermann, Auk*, iii. p. 92 (1886 : Ventura Co., Cal.); *Turner, Nat. Hist. Alaska*, ii. p. 151 (1886); *Blake, Auk*, iv. p. 329 (1887 : Santa Cruz Is., Cal., breeding); *Ridgw. Man. N. Amer. B.* p. 183 (1887); *Nelson, Nat. Hist. Alaska, Birds*, p. 130 (1887).

Melanibyx niger, *Heine & Reichen. Nomencl. Mus. Hein.* p. 337 (1882–90 : Kodiak Is.).

Adult. General colour above dark chocolate-brown, including the wings and tail, which are blackish towards the ends; head and neck all round black, scarcely contrasting with the brown of the rest of the body, but more conspicuous than in the Old World Black Oystercatchers: "bill vermilion, fading to yellow towards the end; feet white, slightly tinged with flesh-colour; claws yellowish, dusky towards the ends; edges of eyelids vermilion; iris yellow" (*J. J. Audubon*). Total length 17·5 inches, culmen 2·9, wing 10·5, tail 4·1, tarsus 2·1.

Hab. N.W. America, from the Aleutian Islands and Alaska, south to California.

a.	Ad. st.	N.W. America.	Purchased.
b.	Imm. sk.	Aleutian Islands (*Wossnesensky*).	Seebohm Coll.
c.	Ad. sk.	Puget Sound (*Sm. Inst.*).	Salvin-Godman Coll.
d.	Ad. sk.	Denman Isl., Straits of Georgia.	Dr. Lyall [P.].
e.	Ad. sk.	Haro Channel.	Dr. Lyall [P.].
f.	Ad. sk.	San Juan de Fuca.	Capt. Kellett & Lieut. Wood [P.].
g.	♀ ad. sk.	Santa Cruz Isl., California, June 4 (*Hensh. Coll.*).	Salvin-Godman Coll.

12. Hæmatopus ater.

Hæmatopus niger (*nec Pall.*), *Quoy & Gaim. Voy. 'Uranie,' Zool.* i. p. 129, pl. 24 (1824: Falkland Is.); *Cuv. Règne Anim.* i. p. 504 (1829).

Hæmatopus townsendi, *Audub. B. Amer.* pl. 427. fig. 3 (c. 1826); *id. Orn. Biogr.* v. p. 247 (1839); *id. B. Amer.* 8vo, v. p. 245, pl. 326 (1842); *Gray, Gen. B.* iii. p. 547 (1847).

Ostralega atra, *Less. Traité d'Orn.* p. 548 (1831).

Hæmatopus ater, *Vieill. et Oudart, Gal. Ois.* ii. p. 88, pl. 230 (1834); *Cass. in Baird's B. N. Amer.* p. 700 (1858: Coast of Chili); *Scl. P. Z. S.* 1860, p. 386 (Falkland Is.); *Abbott, Ibis*, 1861, p. 155 (Falkland Is.); *Schl. Mus. Pays-Bas*, Cursores, p. 76 (1865, pt.); *Scl. P. Z. S.* 1867, pp. 331, 339 (Chili); *id. & Salv. Ibis*, 1870, p. 499 (Port Laguna); *Gray, Hand-l. B.* iii. p. 22, no. 10066 (1871); *Scl. & Salv. Nomencl. Av. Neotrop.* p. 143 (1873); *Salvin, Ibis*, 1875, p. 377 (Masafuera Isl.); *Durnf. Ibis*, 1878, p. 403 (Tambo Point); *Scl. & Salv. P. Z. S.* 1878, p. 438 (Elizabeth Isl.); *iid. Voy. 'Challenger,'* ii. p. 109 (1881); *Sharpe, P. Z. S.* 1881, p. 15 (Port Henry); *Salv. P. Z. S.* 1883, p. 429 (San Lorenzo Is., Peru); *Tacz. Orn. Pérou*, iii. p. 351 (1886); *Ridgw. Man. N. Amer. B.* p. 183 (1887); *Macf. Ibis*, 1887, p. 205 (San Lorenzo Isl.); *Scl. & Huds. Argent. Orn.* ii. p. 176 (1889: Tambo Point); *Ridgw. Proc. U.S. Nat. Mus.* xii. p. 136 (1889: Elizabeth Isl.); *Lucas, op. cit.* xiii. p. 130 (1890); *Oust. Miss. Sci. Cap Horn, Ois.* p. 119 (1891).

Hæmatopus unicolor (*nec Wagl.*), *Gould, P. Z. S.* 1859, p. 96 (Falkland Is.).

Hæmatopus niger ater, *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 109 (1884); *Seebohm, Geogr. Distr. Charadr.* p. 311 (1888).

Melanibyx ater, *Heine & Reichen. Nomencl. Mus. Hein.* p. 88 (1882–90: Chili).

Adult. Similar to *H. niger*, and with a brown back, bu darker on the under surface than that species, the bre black like the head and neck. The bill, however, is v deeper and is compressed towards the end, almost to extent as the Scissor-bill (*Rhynchops*). The angle of the very strongly marked, as is also the dertral portion of the " bill dark pink; legs and feet greenish yellow; iris dark

(*H. Durnford*). Total length 16 inches, culmen 2·8, wing 10·7, tail 3·7, tarsus 2.

Young. Much browner than the adult, but the head and neck all round and the breast sooty black, the whole of the brown plumage, including the breast and abdomen, mottled with sandy-buff edges to the feathers.

Hab. Falkland Islands, S. America to Tambo Point on the east, and to Peru on the western side.

a, b. Ad. sk.	Falkland Is. (*Leconte*).	Salvin-Godman Coll.
c. Imm. sk.	Falkland Is.	Gould Coll.
d. Imm. sk.	Johnson Harbour, Falkland Is., May.	McCormick Bequest.
e, f. Ad. et imm. st.; *g, h.* Ad. et imm. sk.	Berkeley Sound, Falkland Is., May 19 (*Dr. McCormick*).	Antarctic Exped.
i. Ad. sk.	Tambo Point, Patagonia, Jan. 3.	H. Durnford, Esq. [C.].
k. ♀ ad. sk.	Elizabeth Isl., Straits of Magellan.	Voy. H.M.S. 'Challenger.'
l. ♀ ad. sk.	Port Henry, Straits of Magellan, Jan. 29 (*Dr. Coppinger*).	Voy. H.M.S. 'Alert.'
m–p. Ad. sk.	Central Chili.	Berkeley James Coll.
q. ♀ ad. sk.	Chili (*E. C. Reed*).	Seebohm Coll.
r, s. Ad. sk.	Masafuera Isl. (*Leybold*).	Salvin-Godman Coll.
t, u. ♀ ad. sk.	Callao, Peru.	Seebohm Coll.
v. Ad. sk.	Molle, S. Peru, August (*H. Saunders*).	Seebohm Coll.
w. Ad. sk.	San Lorenzo Isl., Peru (*A. H. Markham*).	Salvin-Godman Coll.
x. Skeleton.	Chili.	Purchased.

Subfamily III. LOBIVANELLINÆ.

Key to the Genera.

a. With no spur on the wing, and no facial wattle; toes with scarcely any connecting web.

a'. No hind toe; bill very long and slender, with the dertrum scarcely indicated; bill longer than inner toe and claw, the nasal groove produced for more than half the bill, as in *Totanus* .... 3. OREOPHILUS, p. 123.

b'. Hind toe well-developed; culmen long, equal to the middle toe and claw; dertrum scarcely evident ..... [p. 124. 4. ERYTHROGONYS,

c'. A well-developed hind toe; toes very long, the middle toe and claw nearly twice the length of the culmen; dertrum swollen ..... 5. DEFILIPPIA, p. 126.

b. With no spur on the wing; a wattle on the lores.

d'. A tufted crest; no hind toe; wattle minute ..... 6. SARCIOPHORUS, p. 128.

e'. No crest; no hind toe; wattle large .. 7. LOBIPLUVIA, p. 130.
f'. No crest; a small hind toe and claw; wattle minute ..... 8. MICROSARCOPS, p. 133.
e. With a small spur on the wing; no facial wattle on the lappet; no hind toe.
g'. Tarsus very long, double the length of the middle toe and claw..... 9. HOPLOXYPTERUS, [p. 135.
h'. Tarsus shorter and stouter, not twice the length of the middle toe and claw. 10. PTILOSCELIS, p. 137.
d. With a well-developed spur on the wing; a distinct facial wattle or lappet; a small hind toe ..... 11. LOBIVANELLUS, p. 138.

3. OREOPHILUS.

Type.
Oreophilus, *Jard. & Selby, Ill. Orn.* iii. pl. 151 (1835).. O. ruficollis.
Dromicus, *Less. Echo du Monde Savant*, 1844, col. 616.. O. ruficollis.

Range. Uplands of Patagonia, Chili, and Peru; Falkland Islands.

1. Oreophilus ruficollis.

Charadrius ruficollis, *Wagl. Isis*, 1829, p. 653 (*ex Licht. in Mus. Berol.*); *Burm. Th. Bras.* iii. p. 361 (1856: Coast of Southern Brazil).

Oreophilus totanirostris, *Jard. & Selby, Ill. Orn.* iii. pl. 151 (1835: Andes of Chili); *Gould in Darwin's Voy. 'Beagle,' Birds*, p. 125 (1841: Maldonado; Valparaiso); *Fraser, P. Z. S.* 1843, p. 117 (Chili); *Gray, Gen. B.* iii. p. 537 (1844); *Huds. P. Z. S.* 1872, p. 549 (Rio Negro, Patagonia); *Cab. J. f. O.* 1878, p. 199 (Sierra de Cordova, Arg. Rep.).

Dromicus lessoni, *Less. Echo du Monde Savant*, 1844, col. 617.

Hoplopterus ruficollis, *Gray, Gen. B.* iii. p. 542 (1844).

Oreophilus ruficollis, *Licht. Nomencl. Av. Mus. Berol.* p. 94 (1854); *Bp. C. R.* xlii. p. 597 (1856); *Scl. P. Z. S.* 1867, pp. 331, 339; *Scl. & Salv. t. c.* p. 989 (Islay, Peru); *id. P. Z. S.* 1868, p. 570; *id. Ibis*, 1868, p. 189 (Sandy Bay); *id. Ibis*, 1870, p. 490 (Gallegos River.); *Gray, Hand-l. B.* iii. p. 10, no. 10040 (1871); *Scl. & Salv. Nomencl. Av. Neotrop.* p. 143 (1873); *Taczan. P. Z. S.* 1874, p. 240 (Junin); *Durnf. Ibis*, 1877, p. 42 (Chupat), p. 197 (Buenos Aires); *Taczan. Orn. Pérou*, iii. p. 347 (1886: Junin); *Scl. P. Z. S.* 1886, p. 403 (Tarapacá); *id. & Huds. Argent. Orn.* ii. p. 174 (1889: Rio Negro); *Oust. Miss. Sci. Cap Horn, Ois.* p. 116 (1891); *Holland, Ibis*, 1891, p. 16; *id. Ibis*, 1892, p. 210 (Estancia Espartillar); *James, New List Chilian Birds*, p. 11 (1892).

Microsarcops totanirostris, *Schl. Mus. Pays-Bas*, Cursores, p. 47 (1865: Bolivia).

Charadrius totanirostris, *Seebohm, Geogr. Distr. Charadr.* p. 111, pl. 4 (1888).

Adult male. General colour above sandy buff, broadly streaked with black centres to the feathers, which have sandy-white margins: hind-neck and mantle more ashy grey, the former uniform, the latter with black centres to the feathers; lesser and median coverts like the back; greater coverts dark brown, margined with sandy buff, inclining to whitish at the end of the feathers, and forming an

indistinct wing-bar; edge of wing white; bastard-wing and primary-coverts dark brown; quills also dark brown, the primaries white along the inner web, with narrow white fringes to the ends of the quills and with conspicuous white shafts, the white confined to the shaft alone on the outer primaries, but on the inner ones accompanied by a patch of white, at first longitudinal and increasing in size on the inner primaries; secondaries dark brown, tipped with white and with white bases; the inner secondaries externally sandy buff and resembling the back; lower back and rump ashy olive-brown; the lateral upper tail-coverts sandy buff, with indistinct dusky cross-bands; tail-feathers slaty grey, with tawny-buff bases, and a band of pale buff at the ends, before which is a black band, wider and more distinct on the outer feathers, which have also more tawny at the bases; crown of head uniform ashy, with an olive tinge; base of forehead and a broad eye-brow white, tinged with tawny, especially above the ear-coverts, where the superciliary band almost forms a nuchal collar; a black streak from the base of the bill, traversing the lores and passing through the eye; chin and fore part of cheeks white, the ear-coverts ashy; remainder of cheeks and throat bright orange-chestnut; lower throat and fore-neck light ashy, tinged with olive; remainder of under surface, from the fore-neck downwards, creamy buff, becoming whiter on the abdomen and under tail-coverts; on the breast a large patch of black; under wing-coverts and axillaries pure white: "bill black; feet flesh-colour; toes and claws black" (*H. Durnford*); "iris dark hazel-brown" (*Jelski*). Total length 9·5 inches, culmen 1·15, wing 10·3, tail 2·7, tarsus 1·95.

Hab. Falkland Islands; Patagonia to the Rio de La Plata; Chili; Peru.

a. ♀ ad. sk.	Falkland Is. (*Dr. McCormick*).	Antarctic Expedition.
b. Pull. sk.	Tambo Point, Patagonia, Jan. 3.	H. Durnford, Esq. [C.].
c, d. Ad. sk.	Chuput, Patagonia, Sept., Nov.	H. Durnford, Esq. [C.].
e, f. Ad. sk.	Rio Negro, Patagonia (*W. H. Hudson*).	Salvin-Godman Coll.
g. Ad. st.	La Plata.	M. Bravard [C.].
h. Ad. sk.	Chili.	C. Crawley, Esq. [P.].
i. Ad. sk.	Chili (*Weisshaupt*).	Salvin-Godman Coll.
k, l. Ad. sk.	Central Chili (*Landbeck*).	Berkeley James Coll.
m. ♂ ad. sk.	Tarapacá, Jan. 23 (*Rahmer*).	Berkeley James Coll.
n. ♂ ad. sk.	Islay, S.W. Peru, Sept. 2 (*H. Whitely*).	Salvin-Godman Coll.

4. ERYTHROGONYS.

	Type.
Erythrogonys, *Gould, P. Z. S.* 1837, p. 133	E. cinctus.

Range. Confined to Australia.

1. Erythrogonys cinctus.

Erythrogonys cinctus, *Gould, P. Z. S.* 1837, p. 155; *id. B. Austr.* vi. pl. 21 (1841); *Gray, List Grall. Brit. Mus.* p. 66 (1844: Murray River); *id. Gen. B.* iii. p. 542 (1847); *Reichenb. Grall.* tab. 180. figs. 1959–60 (1848); *id. Vög. Neuholl.* p. 32 (1850); *Bp. C. R.* xliii. p. 419 (1856); *Gould, P. Z. S.* 1863, p. 233 (Central Australia); *id. Handb. B. Austr.* ii. p. 240 (1865); *Gray, Hand-l. B.* iii. p. 12, no. 9968 (1871); *Ramsay, Proc. Linn. Soc. N. S. W.* i. p. 188 (1877: Queensland; New South Wales; Victoria; S. Australia); *id. op. cit.* ii. p. 197 (1878: Gulf of Carpentaria; Richmond and Clarence Rivers); *id. op. cit.* vii. p. 412 (1883: New South Wales, breeding); *id. op. cit.* (2) i. p. 1099 (1887: Derby, N.W. Australia); *North, t. c.* p. 1167; *Ramsay, op. cit.* (2) ii. p. 171 (1888: Derby); *id. Tab. List Austr. B.* p. 20 (1888: Derby, N.W. Australia; Gulf of Carpentaria; Richmond and Clarence Rivers; New South Wales; Interior; Victoria; S. Australia); *North, Nests & Eggs Austr. B.* p. 307, pl. xvi. fig. 5 (1889); *Cox & Hamilton, Proc. Linn. Soc. N. S. W.* (2) iv. p. 419 (1890: Mudgee Distr.).

Vanellus rufiventer, *Less. Echo du Monde Savant*, 1844, p. 207.

Erythrogonys cinctus, *Licht. Nomencl. Av. Mus. Berol.* p. 95 (1854: Australia).

Vanellus cinctus, *Schl. Mus. Pays-Bas*, Cursores, p. 59 (1865: Australia).

Adult male. General colour above bronzy brown, slightly washed with ashy; wing-coverts like the back, the greater series fringed with white at the ends; bastard-wing, primary-coverts, and quills blackish brown, the inner primaries and all the secondaries broadly tipped with white, forming a wide band; innermost long secondaries brown like the back; centre of lower back, rump, and median upper tail-coverts blackish brown, the sides of the back and of the rump, as well as the lateral upper tail-coverts, pure white; centre tail-feathers brown, the rest pure white, with a little brown on the outer edge of the external feather; a small patch below the eye, cheeks, throat, and sides of neck pure white; crown of head and sides of face black, extending over the hind-neck and down the sides of the neck, and joining a broad band of black which occupies the whole of the fore-neck and chest and extends along the sides of the latter; breast, abdomen, and under tail-coverts white, the latter being streaked with brown, slightly tinged with rufous; on each of the flanks a patch of bright chestnut; sides of body, under wing-coverts, and axillaries pure white, the coverts round the bend of the wing black: "bill pulpy, pink-red at base, black at the tip; thigh, knee, and for a quarter of an inch down the tarsus pink-red, the remainder of the tarsus and the toes bluish lead-colour" (*J. Gould*). Total length 7·5 inches, culmen 0·85, wing 4·3, tail 1·85, tarsus 1·6.

Sexes alike in colour, according to Mr. Gould. Many specimens, with the black chest and chestnut flank-patch, have the crown of the head bronzy brown. It may, however, be some time before the full black head is assumed, as the lores are partly whitish, which I take to be a sign of immaturity.

Young. Above brown, a little more dusky on the mantle and greater coverts; quills and tail-feathers as in the adult, but several of the latter with brown marks near the end of the outer web; sides of face brown; cheeks and throat white; chest-band brown, with a band of blackish feathers across the fore-neck; the chestnut patch on the sides of the body less extended and paler; under tail-coverts spotted with brown; remainder of under surface of body white, the coverts round the bend of the wing dark brown.

Hab. Australia only. South Australia to New South Wales and north to the Gulf of Carpentaria, and N.W. Australia. Mr. Gould says that this species is a summer visitor to New South Wales, and Mr. Seebohm states that it *winters* in Queensland, on what authority I have been unable to discover. Mr. Ramsay does not include it in the Queensland list at all.

a. Ad. sk.	Australia.	Gould Coll.
b. Ad. sk.	Australia.	Sir D. Cooper [P.].
c. Ad. sk.	River Murray, S. Australia, Nov.	Gould Coll.
d. Ad. sk.	New South Wales.	Gould Coll.
e. Ad. sk.	Boolgat, N. S. W.	Lord Leigh [P.].
f. Juv. sk.	River Darling, Oct.	J. Gould, Esq. [C.].
g. Ad. sk.	[Queensland.]	Tweeddale Coll.
h, i. Ad; *k.* Juv. sk.	[Queensland (*J. T. Cockerell*).]	Salvin-Godman Coll.
l, m. ♂ ♀ ad. sk.	Derby, N.W. Australia (*T. H. Bowyer Bower*).	Capt. Bowyer Bower [P.].

5. DEFILIPPIA.

	Type.
Nomusia, *Heugl. MSS.* 1859 (*teste Heugl.* 1873: nomen nudum).	
Hemiparra, *De Filippi, Atti Soc. Ital.* viii. p. 270 (1865: nomen nudum)	D. crassirostris.
Defilippia, *Salvad. Atti Soc. Ital.* viii. p. 373 (1865).	D. crassirostris.
Limnetes, *Finsch & Hartl. Vög. Ostafr.* p. 640 (1870).	D. leucoptera.

Range. From the Upper White Nile district throughout the whole of Eastern Africa as far south as Natal.

Key to the Species.

a. Secondaries blackish, with a little white at the extreme base	*crassirostris*, p. 126.
b. Secondaries pure white	*leucoptera*, p. 127.

1. Defilippia crassirostris. (Plate VII. fig. 2.)

Chettusia crassirostris, *De Filippi in Hartl. J. f. O.* 1855, p. 427; *Antin. Cat. descr. Ucc.* p. 98 (1864: Khartoum; Sobat River); *Gray, Hand-l. B.* iii. p. 11, no. 9958 (1871, pt.).

Vanellus macrocercus, *Heugl. Syst. Uebers.* p. 55 (1856: White Nile, from 10° S. lat.); *id. J. f. O.* 1863, p. 163 (Gazelle River).

Chettusia macrocerca, *Bp. C. R.* xlii. p. 419 (1856).

Hemiparra crassirostris, *De Filippi, Atti Soc. Ital. Sci. Nat.* viii. p. 370 (1865: descr. nullâ); *Heugl. in Peterm. Mitth.* 1869, p. 415;

id. Orn. N.O.-Afr. ii. pt. 1, p. 994, pl. xxxiii. (1873: Sobat R.; Gazelle R.; Lower Kir R., from 10°-7° N. lat.); *Fischer, J.f. O.* 1885, p. 116 (Tschara; Ngurumian).

Defilippia crassirostris, *Salvad. Atti Soc. Ital. Sci. Nat.* viii. p. 373 (1865).

Vanellus crassirostris, *Schl. Mus. Pays-Bas*, Cursores, p. 60 (1865: White Nile); *Seebohm, Geogr. Distr. Charadr.* p. 214 (1888, pt.).

Chettusia nivifrons, *Ogden, Proc. Acad. Nat. Sci. Philad.* 1871, p. 196, pl. 1.

Limnetes crassirostris, *Fischer, J. f. O.* 1879, p. 206 (Wapokomo-land); *id. & Reichen. l. c.* p. 337 (Tschara); *id. Zeitschr. ges. Orn.* i. p. 303 (1885: Masai-land, breeding); *Reichen. J. f. O.* 1887, p. 47 (Kagehi; E. from Victoria Nyanza); *id. J. f. O.* 1892, p. 7 (Murchison Bay, Victoria Nyanza).

Adult. Similar to *D. leucoptera*, described in full below, but differing in the less extent of the black on the hind-neck, and in the quills being almost entirely black, the secondaries having a little white at the extreme base: "basal half of bill violet flesh-colour, the apical half black; naked orbital skin coral-red; feet scarlet, the scutes marked with violet-black; soles of feet vermilion; iris scarlet" (*Heuglin*). Total length 11·5 inches, culmen 1·3, wing 8·2, tail 3·7, tarsus 2·85.

Hab. N.E. Africa, from the Upper White Nile to the Victoria Nyanza and east to Witu.

a. Ad. sk. Equatorial Africa. Purchased.

2. Defilippia leucoptera*. (Plate VII. fig. 1.)

Chettusia crassirostris (*nec De Fil.*), *Kirk, Ibis*, 1864, p. 331 (River Shiré).

Limnetes crassirostris (*nec De Fil.*), *Finsch & Hartl. Vög. Ostafr.* p. 841 (1870); *Böhm, J. f. O.* 1882, p. 184 (Kakoma, in Ugalla); *Matschie, J. f. O.* 1887, p. 144 (Upamba Lake).

Hoplopterus crassirostris (*nec De Fil.*), *Layard, Ibis*, 1871, p. 106 (S. Luci Baya).

Lobivanellus albiceps (*nec Gould*), *Holub & Von Pelz. Beitr. Orn. Südafr.* p. 240 (1882: Zambesi; Albert Land); *Sharpe, ed. Layard's B. S. Afr.* pp. 807, 855 (1884); *Shelley, Ibis*, 1894, p. 96 (Tschiromo; Upper Shiré).

Defilippia crassirostris (*nec De Fil.*), *Sharpe, ed. Layard's B. S. Afr.* p. 869 (1884: S. Lucia Bay).

Vanellus leucopterus, *Reichen. J. f. O.* 1889, p. 295 (Quilimane); *id. JB. Hamb. Wiss. Anst.* p. 6 (1893); *id. Vög. Deutsch. Ost-Afr.* p. 39 (1894).

Hemiparra crassirostris, *Hartert, Kat. Vogels. Senckenb. Mus.* p. 215 (1891: Senaar).

* Dr. Reichenow has pointed out to me that my *D. burnesii* is the same as the *Vanellus leucopterus* from Quilimane. He writes to me that the Berlin Museum contains a specimen from Kakoma in Ugalla, collected by the late Dr R. Böhm, which he considers to be a young bird of *D. leucoptera* and not of *D. crassirostris*. It has the white primaries and secondaries varied with black markings which would apparently disappear and leave the whole of these quills white. Dr Reichenow considers it probable that all specimens obtained south of the Pangani and the southern end of the Victoria Nyanza will be found to belong to *D. leucoptera*.

Vanellus crassirostris (*nec De Fil.*), *Shelley, Ibis*, 1894, p. 474.
Defilippia burrowsii, *Sharpe, Bull. B. O. C.* no. xx. p. iv (Oct. 1894).
Defilippia leucoptera, *Sharpe, Bull. B. O. C.* no. xxi. p. vii (Nov. 1894).

Adult. General colour above light ashy brown, greyer on the scapulars; lower back darker brown, succeeded by a black band across the rump; lower rump and upper tail-coverts white; tail-feathers glossy black, white at the extreme base; wing-coverts entirely white, as also the quills, excepting the three outer primaries, which are black, and the inner secondaries, which are brown, with a slight gloss of metallic green; forehead and fore part of crown, eyebrow, entire sides of face, and ear-coverts white, like the throat; the middle of the crown, nape, and hind-neck glossy blue-black, united to a broad pectoral band which occupies the fore-neck and entire upper breast; remainder of under surface of body, including the under tail-coverts, under wing-coverts, and axillaries, pure white: "feet rosy violet, with the large scales of the tarsus blackish; base of bill violet, the end black; eyelid bright carmine; iris scarlet" (*R. Böhm*). Total length 11·5 inches, culmen 1·3, wing 7·9, tail 3·7, tarsus 3·1.

Hab. South-eastern Africa, from S. Lucia Bay to the Zambesi, and north to the Ugalla Country, and perhaps to the Pangani.

a. Ad. sk.	Lower Shiré Valley (*Sir J. Kirk*).	Livingstone Expedition.
b. Ad. sk.	Elephant Marsh, Shiré Valley, Jan. (*Sir J. Kirk*).	Livingstone Expedition.
c, d. Ad. sk.	Upper Shiré River, Nov. (*A. Whyte*).	H. H. Johnston, Esq., C.B. [C.].
e. Ad. sk.	Tschiromo, Sept. (*A. Whyte*).	H. H. Johnston, Esq., C.B. [C.].
f. ♂ ad.; *g–h.* ♀ ad. sk.	Lake Shirwa, May, June (*A. Whyte*).	H. H. Johnston, Esq., C.B. [C.]. (Types of *D. burrowsii*.)

6. SARCIOPHORUS.

	Type.
Sarciophorus, *Strickl. P. Z. S.* 1841, p. 32	S. tectus.

Range. Africa, from Senegambia to N.E. Africa, south to Equatorial Africa; Somali-land and the Teita district in Eastern Africa.

Key to the Species.

a. White frontal band narrow ..... *tectus*, p. 128.
b. White frontal band broad ..... *latifrons*, p. 130.

1. Sarciophorus tectus.

Pluvier du Sénégal, *D'Aubenton, Pl. Enl.* ix. pl. 834.
Le Pluvier coiffé, *Buff. Hist. Nat. Ois.* viii. p. 100 (1781).
Charadrius tectus, *Bodd. Tabl. Pl. Enl.* p. 51 (1783).
Hooded Plover, *Lath. Gen. Syn.* iii. pt. 1, p. 215 (1785).
Charadrius pileatus, *Gm. Syst. Nat.* i. p. 691 (1788); *Wagl. Syst. Av.*, Charadrius, sp. 6, p. 57 (1827).
Sarciophorus pileatus, *Strickl. P. Z. S.* 1841, p. 33; *Gray, List Grall. Brit. Mus.* p. 66 (1844: Abyssinia); *Rüpp. Syst. Uebers.*

p. 118 (1845: Nubia); *Strickl. P. Z. S.* 1850, p. 221 (Kordofan); *Licht. Nomencl. Av. Mus. Berol.* p. 95 (1854: Senegal; Nubia); *Bp. C. R.* xliii. p. 418 (1856); *Hartl. Orn. W.-Afr.* p. 215 (1857: Senegal; Casamance); *Antin. Cat. descr. Ucc.* p. 97 (1864: Kordofan); *Finsch. Trans. Z. S.* vii. p. 296 (1870: Koomayli; Ailat).

Hoplopterus tectus, *Gray, Gen. B.* iii. p. 542 (1847); *id. Hand-l. B.* iii. p. 13, no. 9975 (1871); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1008 (1873: Takah; Southern Nubia; not rare on Abyssinian coast-land and the islands of the Dahlak Archip.; on the lower Mareb and Takazié; Bogos; Qalabat; Senaar; Kordofan; south to Sobat River); *Hartl. Abhandl. nat. Ver. Bremen*, viii. p. 231 (1883: Equatorial Africa).

Hoplopterus pileatus, *Reichenb. Handb. Grall.* tab. xcix. fig. 702 (1848).

Sarkiophorus pileatus, *Heugl. Syst. Uebers.* p. 55 (1856: Nubia; Kordofan; Senaar).

Lobivanellus pileatus, *Schl. Mus. Pays-Bas*, Cursores, p. 65 (1865: Senegal; Nubia).

Sarciophorus tectus, *Blanf. Geol. & Zool. Abyss.* p. 430 (1870: Anseba Valley); *Antin. & Salvad. Viagg. Bogos*, p. 144 (1873: Keren; Samhar; Barka); *Salvin, Cat. Strickl. Coll.* p. 902 (1882: Kordofan); *Heine & Reichen. Nomencl. Mus. Hein.* p. 335 (1890: Senaar; Abyssinia).

Chettusia (Sarciophorus) pileata, *Finsch, Proc. Acad. Philad.* 1872, p. 32.

Lobivanellus tectus, *Seebohm, Geogr. Distr. Charadr.* p. 197 (1888).

Adult male. General colour above light brown, somewhat sandy in tint, the lower back rather more dusky brown; wing-coverts like the back, the median series with narrow white ends, the greater coverts broadly tipped with white, forming a broad wing-bar; bastard-wing and primary-coverts white; quills black, both primaries and secondaries with white bases, the secondaries for the most part white with black ends, but none of them entirely white; the innermost secondaries light brown like the back; rump, upper tail-coverts, and tail white, the latter with a broad terminal band of black, decreasing in width on the outer feathers, which have a narrow white tip; crown of head black, extending in a narrower band down the hind-neck to the mantle; a narrow frontal line of white; lores black; fore part of cheeks and chin white; ear-coverts and sides of neck black, with a broad band of white above the ear-coverts; throat black, narrowing into a band of black feathers which extends on to the chest; sides of fore-neck and remainder of under surface of body white, including the under wing-coverts and axillaries; sides of upper breast light brown; "loral membrane small, rounded in front, crimson; bill rosy-scarlet, with a broad black tip; feet bright rosy-crimson; iris bright yellow" (*Heuglin*). Total length 10 inches, culmen 1·05, wing 7·45, tail 3·6, tarsus 2·3.

Adult female. Similar to the male in plumage. Total length 10 inches, culmen 1, wing 7·5, tail 3·5, tarsus 2·3.

Hab. Senegambia; N.E. Africa from Taka and Southern Nubia to the Sobat River and Shoa.

a, b, c. Ad. sk.	River Gambia (*Sir A. Moloney*).	Shelley Coll.
d, e. Ad. et jr. sk.	Abyssinia.	Dr. Rüppell [C.].
f. ♀ ad. sk.	Annesley Bay, June 6.	W. T. Blanford, Esq. [C.].
g. ♂ ad. sk.	Koomayli Plain, Abyssinia, June 4 (*W. Jesse*).	Salvin-Godman Coll.
h. ♂ ad. sk.	Anseba Valley, July.	W. T. Blanford, Esq. [C.].
i. ♀ ad. sk.	Ailat, Bogos-land, June 25 (*W. Jesse*).	Tweeddale Coll.
k. Ad. sk.	Shoa.	Dr. Rüppell [C.].

2. Sarciophorus latifrons.

Sarciophorus latifrons, *Reichen. J. f. O.* 1881, p. 334 (Berbera); *id. Vög. Deutsch. Ost-Afr.* p. 36 (1894: Teita).

Similar to *S. tectus*, but having a broader white band on the forehead.

Hab. East Africa from Somali-land to the Teita district.

I have not seen a specimen of this species, but Dr. Reichenow, in answer to my enquiries, tells me that he still looks upon it as a distinct form, geographically well defined.

7. LOBIPLUVIA.

	Type.
Lovipluvia, *Bp. C. R.* xliii. p. 418 (1856)	L. malabarica.
Dilobus, *Heine & Reichen. Nomencl. Mus. Hein.* p. 335 (1890)	L. malabarica.

Range. The same as that of the single species of the genus.

1. Lobipluvia malabarica.

Pluvier de la Côte de Malabar, *D'Aubent. Pl. Enl.* ix. pl. 880.

Pluvier à lambeaux, *Buff. Hist. Nat. Ois.* viii. p. 160 (1781).

Charadrius malabaricus, *Bodd. Tabl. Pl. Enl.* p. 53 (1783).

Wattled Plover, *Lath. Gen. Syn.* iii. pt. 1, p. 216 (1785).

Charadrius bilobus, *Gm. Syst. Nat.* i. p. 691 (1788); *Less. Traité d'Orn.* p. 546 (1831).

Charadrius myops, *Less. Traité d'Orn.* p. 546 (1831); *Pucher. Rev. Zool.* 1851, p. 570.

Vanellus bilobus, *Sykes, P. Z. S.* 1832, p. 166 (Deccan); *Jerd. Madr. Journ.* xii. p. 213 (1840: India generally).

Sarciophorus bilobus, *Strickl. P. Z. S.* 1841, p. 33; *Gray, List Grall. Brit. Mus.* p. 66 (1844); *id. Cat. Mamm. etc. Nepal pres. Hodgs.* p. 132 (1846); *Blyth, Cat. B. Mus. As. Soc.* p. 261 (1849: Calcutta); *Licht. Nomencl. Av. Mus. Berol.* p. 95 (1854: Bengal); *Irby, Ibis*, 1861, p. 237 (Oudh); *Jerd. B. Ind.* iii. p. 649 (1864); *Blyth, Ibis*, 1867, p. 165; *Beavan, Ibis*, 1868, p. 390 (Maunbhoom; Umbala); *Blanf. Ibis*, 1870, p. 470 (Thayetmyo); *id. J. A. S. Beng.* xl. p. 276 (1871; Wardha Valley); *Stoliczka, op. cit.* xli. p. 251 (1872: Kutch); *Hayes Lloyd, Ibis*, 1873, p. 416 (Kathiawar); *Blyth, B. Burm.* p. 153 (1875: Thayetmyo); *Morgan, Ibis*, 1875, p. 323 (S. India, breeding); *Salvin, Cat*

Strickl. Coll. p. 602 (1882); *Murray, Vertebr. Faun. Sind*, p. 290, (1884).

Sarciophorus fuscus, *Hodgs. Icon. ined. in Brit. Mus., Grall.* pl. 50. no. 810; *id. in Gray's Zool. Misc.* p. 84 (1844).

Hoplopterus malabaricus, *Gray, Gen. B.* iii. p. 542 (1847); *id. Hand-l. B.* iii. p. 12, no. 9973 (1871).

Hoplopterus myops, *Gray, Gen. B.* iii. p 542 (1847).

Lobipluvia biloba, *Bp. C. R.* xliii. p. 418 (1856).

Lobivanellus bilobus, *Schl. Mus. Pays-Bas*, Cursores, p. 64 (1865: Nepal).

Sarciophorus malabaricus, *Holdsw. P. Z. S.* 1872, p. 472 (Ceylon).

Lobipluvia malabarica, *Hume, Nests & Eggs Ind. B.* p. 577 (1873); *Ball, Str. F.* ii. p. 340 (1874: Chota Nagpur); *Le Messurier, Str. F.* iii. p. 418 (1875: Sindh); *Butler & Hume, Str. F.* iv. p. 14 (1876: Mount Aboo; N. Guzerat); *Butler, Str. F.* v. p. 232 (1877: Deesa, Oct. to March); *Davidson & Wenden, Str. F.* vii. p. 88 (1878: Deccan); *Ball, t. c.* p. 227 (Ganges to Godavery); *Hume, Str. F.* viii. p. 112 (1879); *Butler, Cat. B. Sind, etc.* p. 59 (1879); *id. Cat. B. S. Bomb. Pres.* p. 74 (1880); *Legge, B. Ceylon*, i.a. p. 993 (1880); *Vidal, Str. F.* ix. p. 82 (1880: S. Konkan); *Butler, t. c.* p. 427 (Deccan); *Parker, t. c.* p. 482 (N.W. Ceylon, breeding); *Reid, Str. F.* x. p. 66 (1881: Lucknow, breeding); *Davidson, t. c.* p. 319 (1882: West Khandeish, breeding); *Hume, t. c.* p. 413 (1883: Mysore); *Oates, Handb. B. Brit. Burm.* ii. p. 375 (1883); *Scinde & Barnes, Ibis*, 1885, p. 133 (Mhow district); *Taylor, Str. F.* x. p. 465 (1887: Manzeerabad, Mysore); *Oates, ed. Hume's Nests & Eggs Ind. B.* iii. p. 345 (1890).

Lobivanellus malabaricus, *Seebohm, Geogr. Distr. Charadr.* p. 198 (1888).

Hoplopterus malabaricus, *Heine & Reichen. Nomencl. Mus. Hein.* p. 335 (1890).

Adult male. General colour above light brown, the lower back more dusky brown; wing-coverts rather more ashy brown than the back, the median series with narrow white edgings; the greater coverts white, with brown bases; bastard-wing, primary-coverts, and primaries black, the primaries white at the base of the inner web; secondaries white at the base of both webs, the white increasing towards the inner secondaries, until the black forms only a gradually diminishing mark at the end, and finally disappears, leaving the inner quills of this series entirely white; the innermost secondaries brown like the back; rump and upper tail-coverts pure white; tail-feathers for the most part pure white, the centre feathers with a median shade of light brown, followed by a broad black band before the tip, which is also light brown; remainder of the tail-feathers pure white, and with broad white ends before which the black band is more or less strongly developed, but diminishes in extent towards the outer feathers, the two outermost being entirely white; crown of head and nape glossy black, sides of face, sides of neck, throat, and fore-neck light ashy or drab-brown; a narrow band of white above the ear-coverts; chin black, extending a little way on the upper throat; the brown of the fore-neck bordered below by a band of black; remainder of under surface of body pure white, including the under wing-coverts

and axillaries: "bill black, pale lemon-yellow at base; feet, wattles, and eyelids pale lemon-yellow; iris brownish grey" (*E. A. Butler*). Total length 9·5 inches, culmen 1·1, wing 8·1, tail 3·1, tarsus 2·55.

Adult female. Similar to the male in colour. Total length 10 inches, culmen 1·1, wing 8·2, tail 3·3, tarsus 2·55.

The adult male described from the Futtehgurh district certainly has the two outer tail-feathers pure white; but this does not seem to be always the case, as other birds, equally adult, have the outer feathers brown along the outer web, while the band is represented on the penultimate tail-feathers by two dots, which are also sometimes seen on the outermost feathers.

Young. Pale brown like the adult, but the whole of the upper surface mottled with transverse dusky bars, the feathers with pale sandy margins, the central tail-feathers also barred with brown and sandy colour at the extreme tip; a streak behind the eye slightly indicated; chin white; throat ashy.

The winter plumage is apparently exactly like the full plumage, with the exception that the head is brown and the throat ashy brown, paler on the chin, which is whitish.

The young bird, when full-grown, resembles the adults, but shows remains of the sandy margins of the upper surface, the sides of the crown being marked with blackish; the wattles are also smaller than in the adults.

Hab. Indian Peninsula generally, and N.W. Ceylon.

a. Ad. sk.	India.	Purchased.
b. Ad. sk.	Below Mount Aboo.	Hume Coll.
c, d. ♀ ad. sk.	Umbala, Jan., Nov. (*Dr. Scott*).	Seebohm Coll.
e. ♂ ad. sk.	Siwalik Distr., March (*R. C. Beavan*).	Tweeddale Coll.
f. Ad. sk.	Delhi, May.	Hume Coll.
g, h. Ad. sk.	Oudh, Jan., Feb. (*A. Anderson*).	Hume Coll.
i, k, l. Ad. et imm. sk.	Oudh.	Pinwill Coll.
m, n. Ad. sk.	Lucknow, May 14.	Colonel Way [P.].
o–r. Ad. sk.	Etawah, Dec.	Hume Coll.
s–x. ♂ ♀ ad. sk.	Futtehgurh Distr., Jan., Feb. (*A. Anderson*).	Hume Coll.
y. Ad. sk.	Behar.	Hodgson Coll.
z, a'. Ad. sk.	Nepal (*B. H. Hodgson*).	India Museum.
b'. Ad. sk.	Darjiling (*Col. Sharpe*).	Seebohm Coll.
c'. Ad. sk.	Dacca (*Col. Tytler*).	India Museum.
d'. ♂ ad. sk.	Raipur, Feb. 15.	Hume Coll.
e'. ♂ ad. sk.	Nagpur, April 13.	Hume Coll.
f', g'. Ad. sk.	Saugor (*Hooper*).	India Museum.
h'. ♀ imm. sk.	Mhow, Dec. 23.	Colonel Swinhoe [P.].
i'. ♀ ad. sk.	Dhulia, Khandeish, July 15.	Hume Coll.
k', l'. ♂ ad.; *m'–p'.* ♀ ad. et imm. sk.	Ahmednuggur Distr., Nov. to April (*S. B. Fairbank*).	Tweeddale Coll.

g, *r*, *s*. Ad. sk.	Deccan (*Sykes*).	India Museum.
t. Ad. sk.	Mysore (*R. G. W. R.*).	Tweeddale Coll.
u. ♀ ad. sk.	Bandipur, Mysore, May 24 (*W. Davison*).	Hume Coll.
v. ♀ ad. sk.	Seegore, Feb. 22 (*W. Davison*).	Hume Coll.
w. ♀ ad. sk.	Sultan's Battery, Wynaad, Jan. 31 (*W. Davison*).	Seebohm Coll.
x. Ad. sk.	Bangalore, April 4 (*R. G. W. R.*).	Tweeddale Coll.
y. ♂ ad. sk.	Secunderabad, Oct. (*G. M. Slaughter*).	Seebohm Coll.
z. ♀ ad. sk.	Madras, June (*R. G. W. R.*).	Tweeddale Coll.
a'. Ad. sk.	Madras.	Tweeddale Coll.
b'. ♂ ad. sk.	Belgaum, April 15 (*E. A. Butler*).	Hume Coll.
c'. Ad. sk.	Anjango, Travancoe, Dec.	Hume Coll.
d'. ♂ ad. sk.	Trevandrum, June 20 (*F. Bourdillon*).	Hume Coll.
e'. ♀ ad. sk.	Kolachul, Jan. 23.	F. W. Bourdillon, Esq. (C.).
f'. Jr. sk.	Ceylon (*Nevill*).	Tweeddale Coll.
g'. Ad. sk.	(Java.)	India Museum.

8. MICROSARCOPS.

Range. Eastern Siberia, south to British Burma and Eastern Bengal.

1. Microsarcops cinereus.

Phylloscopus cinereus, *Blyth, J. A. S. Beng.* xi. p. 587 (1842: Calcutta).

Lusciniola ornatus (*nec Swains.*), *Temm. & Schl. Faun. Jap., Aves*, p. 103, pl. 63 (1847); *Swinhoe, Ibis*, 1860, p. 359 (Amoy); *Blakist. & Pryer, Ibis*, 1878, p. 219 (Tokio Bay); *id. B. Jap.* p. 108 (1882: Susaki, Tokio, breeding); *Blakist. Amended List B. Jap.* p. 23 (1884: not found in Yezo or the Kuriles); *Taczan. P. Z. S.* 1888, p. 457 (Seoul and Chimulpo, Corea).

Locustella cinerea, *Blyth, Cat. B. Mus. As. Soc.* p. 261 (1849: Calcutta); *Irby, Ibis*, 1861, p. 238 (Oudh); *Schl. Mus. Pays-Bas, Cettiæ*, p. 69 (1865: Bengal; Amoy; Japan); *Seebohm, Geogr. Distr. Charadr.* p. 183 (1888); *id. B. Jap. Emp.* p. 311 (1890: Yokohama); *Styan, Ibis*, 1891, pp. 329, 503 (Lower Yangtse; Kiukiang); *W. L. Sclater, Ibis*, 1892, p. 87 (Calcutta); *Campbell, t. c.* p. 240 (Seoul, Corea).

Salicicgramma ornatus, *Bp. C. R.* xliii. p. 418 (1856).

Cettiosa ornata, *Jerd. B. Ind.* iii. p. 646 (1864: Purneah; Darjeeling).

Cettiosa cinerea, *Swinhoe, P. Z. S.* 1863, p. 300 (Yangtse and Central China); *Blanf. Ibis*, 1870, p. 470 (Bassein); *Swinhoe, P. Z. S.* 1871, p. 403 (Banks of Yangtse to Pekin; Mongolia); *Gray, Hand-l. B.* iii. p. 11, no. 8855 (1871); *Hume, Str. F.* i. p. 482 (1874: Ye, Tenasserim); *id. op. cit.* iii. p. 180 (1875: Pegu); *Blyth & Wald. B. Burm.* p. 152 (1875: Tonghoo); *Hume, Str. F.* v. p. 347 (1877: Andamans); *David & Oust. Ois. Chine*, p. 422 (1877); *Hume & Davison, Str. F.* vi. p. 450 (1878: Tenasserim); *Crippa, Str. F.* vii. p. 300 (1878: Faridpur); *Hume, t. c.* p. 483 (Calcutta); *id. Str. F.* viii. p. 112 (1879); *Taczan. Ois.*

Basse-Cochinchine, Bull. Agric. Cochin. (3) i. p. 146 (1879); *Oates, Str. F.* x. p. 238 (1882: Pegu); *id. Handb. B. Brit. Burm.* ii. p. 372 (1883); *Hume, Str. F.* xi. p. 315 (1883: Manipur); *Oates, Ibis*, 1888, p. 73 (Bhamo); *De la Touche, Ibis*, 1892, p. 496 (Foochow, spring).

Chættusia cinerea, *Blyth, Ibis*, 1867, p. 165.

Adult male. General colour above light brown, with a slight bronzy gloss; rump, upper tail-coverts, and base of tail white; terminal third of the tail black, forming a broad band, the tips white with a slight sub-terminal shade of brown; the black band vanishing towards the outer tail-feather, which is entirely white; wing-coverts brown like the back, but a little paler; the median coverts with narrow white tips, except the outer ones, which are pure white; greater coverts nearly entirely white, with brown at the extreme base, increasing in extent on the inner ones; bastard-wing dark brown; primary-coverts and quills black; secondaries pure white, the outer ones dusky near the ends, the inner ones externally light brown, and the innermost brown like the back; crown of head, nape, and hind-neck, as well as the entire sides of the face and neck, throat, fore-neck, and chest light pearly grey, with a narrow black band across the upper breast; chin rather paler grey; remainder of under surface of body, including the under wing-coverts and axillaries, pure white: "basal two-thirds of bill deep yellow, the terminal third black; feet dull yellow, claws black; edges of eyelids and lappets deep yellow" (*E. W. Oates*). Total length 14 inches, culmen 1·4, wing 9·2, tail 4, tarsus 2·65.

Adult female. Similar to the male in plumage. Total length 14·5 inches, culmen 1·4, wing 9·4, tail 4·2, tarsus 2·7.

Adults in winter plumage. Differs from the summer plumage in having the grey of the head and throat washed with brown, especially on the chest; the black band on the chest obscured by ashy or whitish tips to the feathers.

Young. Distinguished from the adults by the want of the black band across the upper part of the breast; the entire head and throat brown, instead of grey, the centre of the chin and upper throat white, with dusky streaks on the sides of the throat.

Hab. From Corea and the Southern Japanese islands to Mongolia and Northern China, wintering in Southern China, the Indo-Burmese countries, and N.E. Bengal.

a. Ad. sk.	Darjeeling.	India Museum.
b, c. Ad. sk.	Dipur Bheel, Assam, Nov. (*A. W. Chennell*).	Tweeddale Coll.
d, e, f. Ad. sk.	Purneah.	Pinwill Coll.
g. Ad. st.	Calcutta (*E. Blyth*).	India Museum.
h–x. ♂ ♀ ad. sk.	Calcutta, Oct. to Jan. (*A. O. H. & W. T. Blanford*).	Hume Coll.
y, z. Ad. sk.	Dacca.	Hume Coll.
a'. ♀ ad. sk.	Faridpur, Feb. 4 (*J. R. Cripps*).	Hume Coll.
b'–f'. Ad. sk.	Manipur, March (*A. O. H.*).	Hume Coll.
g'–k'. ♂ ♀ ad. sk.	Tonghoo, Nov. to Jan. (*R. G. W. R.*).	Tweeddale Coll.

l. Ad. sk.	Sittang Valley, Dec. 29 (*R. G. W. R.*).	Tweeddale Coll.
m'. Ad. sk.	Bassein, Pegu.	W. T. Blanford, Esq. [P.].
n'. Ad. sk.	Pegu, Dec. 26 (*R. G. W. R.*).	Tweeddale Coll.
o', *p*'. ♂ ♀ ad. sk.	Lower Pegu, Oct. (*E. W. O.*).	Oates Coll.
q'. Ad. sk.	Port Blair, S. Andamans.	Hume Coll.
r'-*s*'. ♂ ♀ ad. sk.	Thatone, Tenasserim, Oct. to Dec. (*W. Davison*).	Hume Coll.
t'-*u*''. ♂ ♀ ad. sk.	Sittang River, Feb. (*W. Davison*).	Hume Coll.
b''. Ad. sk.	Yealoo, Dec. 20 (*J. Darling*).	Hume Coll.
c''. Ad. sk.	Ye, March (*W. Davison*).	Hume Coll.
d''. Ad. sk.	Cambodia.	M. Mouhot [C.].
e''. Ad. sk.	Fokien, China.	Gould Coll.
f''. Ad. sk.	Chekiang, April.	Tweeddale Coll.
g''. Ad. sk.	Shanghai.	Purchased.
h''. ♂ ad. sk.	Corea, March 17.	C. W. Campbell, Esq. [P.].
i''-*m*''. Ad. sk.	Yokohama, Oct. (*H. Pryer*).	Seebohm Coll.

9. HOPLOXYPTERUS.

Type.

Hoploxypterus, *Bp. C. R.* xliii. p. 418 (1856) ..... H. cayanus.

Range. South America, excepting the western and southern portions.

1. Hoploxypterus cayanus.

Plavier armé de Cayenne, *D'Aubent. Pl. Enl.* ix. pl. 833; *Buff. Hist. Nat. Ois.* viii. p. 102 (1781).

Spur-winged Plover, var. B, *Lath. Gen. Syn.* iii. pt. 1, p. 215 (1785).

Charadrius spinosus, var. γ, *Gm. Syst. Nat.* i. p. 691 (1788).

Charadrius cayanus, *Lath. Ind. Orn.* ii. p. 749 (1790); *Licht. Verz. Doubl.* p. 70 (1823); *Burm. Th. Bras.* iii. p. 358 (1856: Lagoa Santa).

Mbatuitui armado, *Azara, Apunt.* iii. p. 289 (1805).

Charadrius stolatus, *Wagl. Syst. Av.* Charadrius, p. 59, sp. 12 (1827).

Charadrius spinosus (*nec L.*), *Neuwied, Beitr. Naturg. Bras.* iv. p. 764 (1833: Rio Belmonte).

Hoplopterus cayanus, *Gray, List Grall. Brit. Mus.* p. 65 (1844: S. America); *id. Gen. B.* iii. p. 542 (1847); *Hartl. Ind. Azara*, p. 24 (1847); *Reichenb. Grall.* Taf. xcix. fig. 701 (1851); *Cab. in Schomb. Reis. Guian.* iii. p. 750 (1848); *Licht. Nomencl. Av. Mus. Berol.* p. 95 (1854: Brazil; Guiana); *Moore, P. Z. S.* 1854, p. 63 (Aloor River, Honduras); *Sel. & Salv. Ibis*, 1859, p. 225 (Honduras); *Sel. P. Z. S.* 1870, p. 290 (Babahoyo, Ecuador); *Sel. & Salv. P. Z. S.* 1870, p. 190 (Lower Ucayali); *id. P. Z. S.* 1877, p. 501 (South bank of Lower Amazons), p. 979 (Pebas); *Gray, Hand-l. B.* i. p. 12, no. 9072 (1871); *Pelz. Orn. Bras.* pp. 281, 454 (1871: Ytarare; Rio Parana; Goiaz; Cuyaba; Barra de Rio Negro); *Sel. & Salv. Nomencl. Av. Neotrop.* p. 142 (1873); *id. P. Z. S.* 1873, p. 309 (Santa Cruz); *Zeledon, Cat. Aves Costa Rica*, p. 30 (1882); *id. Proc. U.S. Nat. Mus.* viii. p. 113 (1885); *Tacz. & Berlepsch, P. Z. S.* 1885, p. 119 (Babahoyo); *Tacz. Orn. Pérou*, iii. p. 335 (1886); *Salvin, Ibis*, 1886, p. 177 (Roraima); *Allen, Bull. Amer. Mus. Nat. Hist.* v. p. 149 (1893: Cuyaba).

Hoploxypterus cayanus, *Bp. C. R.* xliii. p. 418 (1856).
Vanellus cayanus, *Schl. Mus. Pays-Bas*, Cursores, p. 62 (1865: Brazil); *Seebohm, Geogr. Distr. Charadr.* p. 229, pl. x. (1888).

Adult male. General colour above light brown, varied with black and white markings; the mantle black; the upper back brown; the lower back, rump, upper tail-coverts, and tail white, the latter with a broad black band at the end, fringed with white again at the tip; this black band decreasing in width towards the outermost feathers, which are, curiously enough, narrower than the other rectrices; the scapulars white, or white washed with brown, forming a longitudinal band on each side of the back, which is further accompanied by a broad external band of black, consisting of the scapulars and adjoining feathers: wing-coverts light brown, the median series more ashy, the greater coverts pure white, with ashy bases; primary-coverts and quills black, the outer secondaries white, tipped with black, the inner secondaries pure white, and the long innermost ones light brown: forehead and anterior part of crown black, extending backwards in a broad line over the eyes and joining the black of the sides of the face, which is continued to the black mantle and præpectoral collar; the lores, feathers below the eye, and ear-coverts all black; cheeks, throat, and under surface of body pure white, excepting for the broad band of black which occupies the fore-neck and is joined to the black of the mantle; under wing-coverts and axillaries white: "bill blackish brown, lower mandible yellowish or fleshy red at the base; claws black; spur on wing greyish brown; iris grey-brown; edge of eyelid cinnabar-red" (*Neuwied*). Total length 8 inches, culmen 1·15, wing 5·4, tail 2·3, tarsus 1·75.

Adult female. Similar to the male in plumage. Total length 9·5 inches, culmen 1·1, wing 5·6, tail 2·3, tarsus 1·65.

Hab. Central America [?] from Honduras*, south to South America, where it ranges from British Guiana to Southern Brazil.

a. ♂ ad. sk.	Roraima, British Guiana, May 11 (*H. Whitely*).	Salvin-Godman Coll.
b. ♀ ad. sk.	Ourumi, British Guiana, Dec. (*H. Whitely*).	Salvin-Godman Coll.
c, d. Ad. sk.	Sarayacu, Ecuador (*C. Buckley*).	Salvin-Godman Coll.
e. Ad. sk.	[Peru.]	Berkeley James Coll.
f, g. ♂ ♀ ad. sk.	Pebas, E. Peru, May, June (*J. Hauxwell*).	Salvin-Godman Coll.
h. Ad. sk.	Omega, south side of R. Amazon (*A. R. Wallace*).	Salvin-Godman Coll.
i. Ad. sk.	Corumba, Matto Grosso (*H. H. Smith*).	Salvin-Godman Coll.
k. ♂ ad. sk.	Rio Paraná, Brazil, April 23 (*J. Natterer*).	Salvin-Godman Coll.

* After a prolonged search in the Liverpool Museum with Dr. Forbes I have been unable to find Leybold's specimen, nor do the registers afford any clue. There is, therefore, no positive evidence that the specimen came from the "Aloor River," Central America.

10. PTILOSCELIS.

Type.
Ptiloscelis, *Bp. C. R.* xliii. p. 419 (1856) ..... P. resplendens.

Range. The uplands of Western South America.

1. Ptiloscelis resplendens.

Charadrius resplendens, *Tschudi, Arch. f. Nat.* 1843, p. 388; *id. & Cab. Faun Peruan., Aves*, pp. 49, 295 (1845–46).

Vanellus ptiloscelis, *Gray & Mitch. Gen. B.* iii. p. 541, pl. 145 (1847); *Reichenb. Grall.* Taf. cexcix. fig. 2434 (1848); *Gray, Hand-l. B.* iii. p. 11, no. 9952 (1871).

Vanellus resplendens, *Gray, Gen. B.* iii. p. 541 (1847); *Licht. Nomencl. Av. Mus. Berol.* p. 95 (1854: Peru); *Scl. P. Z. S.* 1858, p. 556 (Punin, Ecuador); *id. P. Z. S.* 1860, p. 82 (Quito); *id. & Salv. P. Z. S.* 1869, p. 156 (Tinta, Peru); *id. Nomencl. Av. Neotrop.* p. 142 (1873); *Tacz. P. Z. S.* 1874, p. 590 (Junin; Maraynioc); *id. & Berlepsch, P. Z. S.* 1885, p. 110 (Ecuador); *Scl. P. Z. S.* 1886, p. 403 (Sitana and Sacaya, Tarapacá); *Taczan. Orn. Perou*, iii. p. 336 (1886: Tarma); *Seebohm, Geogr. Distr. Charadr.* p. 228 (1888); *Scl. P. Z. S.* 1891, p. 136 (Tarapacá); *Berkeley James, New List Chilian B.* p. 11 (1892: Tarapacá).

Ptiloscelys resplendens, *Bp. C. R.* xliii. p. 419 (1856).

Adult male. General colour above brown, glossed with metallic green or purplish bronze; scapulars like the back; lesser wing-coverts brown the lower row bronzy green; median coverts blacker, and more distinctly glossed with metallic purple; greater coverts pure white, with concealed dusky bases; bastard-wing, primary-coverts, and quills black, the primaries with concealed white bases, but the secondaries white at the base, increasing on the inner ones, where the white occupies quite half of the feathers, as well as the whole of the outer web of the interior quills; the innermost secondaries brown like the back; lower back and rump more dusky brown than the rest of the back; sides of rump, upper tail-coverts, and tail white; the tail-feathers with a broad sub-terminal band of black preceded by a brown shade, the ends of the feathers being white, the black band decreasing in width towards the outermost; head and sides of face, throat, and sides of neck light ashy brown, with a white collar round the hind neck; upper throat whitish; the lower throat and fore-neck rather darker ashy, followed by a narrow black band on the chest; remainder of under surface white, including the thighs, under wing- and tail-coverts, and the axillaries. "Bill pink at the base, reddish brown at the tip; feet and toes pink; eyelid and iris pink" (*H. Whitely*). Total length 18 inches, culmen 1·25, wing 8·9, tail 4·1, tarsus 2·05.

Adult female. Similar to the male in colour. Total length 13 inches, culmen 1·3, wing 8·8, tail 3·7, tarsus 1·9.

Hab. Western South America, from Ecuador to Tarapacá.

a	Ad. sk.	Ecuador.	Salvin-Godman Coll.
b	♂ ad. sk.	Ecuador (*Buckley*).	Seebohm Coll.
c	Ad. sk.	Sarayacu, Ecuador (*Buckley*).	Salvin-Godman Coll.

d, *e*. ♂ ad. sk.	Maraynioc, Ecuador, May (*Jelski*).	Warsaw Museum [E.].
f. Ad. sk.	Peru.	Salvin-Godman Coll.
g, *h*. ♂ ♀ ad. sk.	Tinta, Peru, May, June (*H. Whitely*).	Salvin-Godman Coll.
i, *k*. ♂ ♀ ad. sk.	Tinta, Peru, May, June (*H. Whitely*).	Seebohm Coll.
l, *m*. ♂; *n*. ♂ ad. sk.	Sitani, Tarapacá, Jan. (*A. A. Lane*).	Berkeley James Coll.
o, *p*, *q*. ♂; *r*. ♀ ad. sk.	Sacaya, Tarapacá, Feb., March (*A. A. Lane*).	Berkeley James Coll.

11. LOBIVANELLUS*.

	Type.
Lobivanellus, *Strickl. P. Z. S.* 1841, p. 33	L. lobatus.
Lobibvx, *Heine & Reichen. Nomencl. Mus. Hein. Orn.* p. 334 (1890)	L. lobatus.

Range. Africa generally, below the deserts of the Soudan. Australia and the Papuan Islands.

Key to the Species†.

a. Sides of face and hind neck white; throat white; forehead and crown black.

a'. Sides of chest black; a black band also crossing the hinder neck above the mantle and joining the black crown, so as to interrupt the white collar ..... *lobatus*, p. 139.

---

* There is some difficulty about the adoption of this name, and according to Dr. Stejneger these birds ought to bear the name of *Parra* of Linnæus (Syst. Nat. i. p. 259, 1766). This is a radical change, however, which I cannot bring myself to adopt; but I have dropped the name of *Parra* for the Jacanas, in consequence of the confusion which surrounds it.

Dr. Stejneger (Auk, ii. p. 339) has shown that the genus *Parra* of Linnæus is a composite one with 5 species, as follows:—1. *P. dominica*; 2. *P. senegalla*; 3. *P. jacana*; 4. *P. variabilis*; 5. *P. chavaria*.

Admitting the Brissonian genus *Jacana*, which is additional to *Parra* of Linnæus, Nos. 3 and 4, which are identical, become eliminated, and the type of the genus *Parra*, L., must be sought for in Nos 1, 2, and 5. *Chauna* was created by Illiger in 1811 for *P. chavaria*, and therefore, as Dr. Stejneger admits, the type must be restricted either to Nos. 1 or 2, which, he says, are 'Old World' *Charadriidæ*. The name *Parra dominica*, L., is founded on the 'Vanneau armé de S. Domingue' of Brisson (Orn. v. p. 118), and that of *P. senegalla*, L., founded on the 'Vanneau armé du Sénégal' of Brisson (*t. c.* p. 111, pl. x. fig. 2). My conclusion is that *Lobivanellus* of Strickland must be retained for *L. lobatus*, though the most typical species in his mind in 1841 was probably *L. goensis*. This, however, was made the type of *Sarcogrammus* by Reichenbach in 1852; and all the other species enumerated by Strickland have had some generic name given to them, with the exception of *Parra dominica* of Linnæus, a species which I have not been able to identify, and for which I propose that the generic name of *Parra*, L., now surrounded by so much uncertainty, shall be retained by those who wish to do so.

† The form of the facial lappet varies somewhat in the Australian and African species; but the Australian birds themselves do not entirely agree in this respect.

b'. Sides of chest brown; the rest of the under surface white; a complete white collar on the hind neck; no black band across the latter .. *miles*, p. 140.

b. Sides of face whitish, streaked with brown; throat black; a white frontal patch; hind neck brown like the back, with no white collar.

c'. Sides of breast and flanks ashy brown like the breast itself; no black patch on the sides of the abdomen ..... *senegalus*, p. 141.

d'. A blackish patch on the sides of the abdomen .. *lateralis*, p. 144.

1. Lobivanellus lobatus.

Wattled Sandpiper, *Lath. Gen. Syn. Suppl.* ii. p. 313 (1801: New South Wales).

Tringa lobata, *Lath. Ind. Orn. Suppl.* p. lxv (1801: Australia).

Vanellus lobatus, *Vieill. N. Dict. d'Hist. Nat.* xxxv. p. 209 (1819); *id. Enc. Meth.* iii. p. 1075 (1823).

Vanellus novæ-hollandiæ, *Stephens in Shaw's Gen. Zool.* xi. p. 516 (1819), *ex Lath.*

Charadrius lobatus, *Wagl. Syst. Av.* Charadrius, sp. 51, p. 76 (1827).

Charadrius gallinaceus, *Wagl. t. c.* sp. 50, p. 75.

Vanellus gallinaceus, *Jard. & Selby, Ill. Orn.* ii. pl. 84 (1829).

Lobivanellus gallinaceus, *Strickl. P. Z. S.* 1841, p. 33.

Lobivanellus lobatus, *Gould, B. Austr.* vi. pl. 9 (1842); *Gray, List Grall. Brit. Mus.* p. 63 (1844: S. Australia; Murray R.); *Reichenb. Grall.* Taf. ciii. figs. 1057–1058 (1848); *Bp. C. R.* xliii. p. 418 (1850); *Schl. Mus. Pays-Bas*, Cursores, p. 67 (1865: S. Australia; Sydney); *Gould, Handb. B. Austr.* ii. p. 218 (1865); *Finsch, Neu-Guinea*, p. 181 (1865: N. Australia); *Ramsay, Ibis*, 1876, p. 344 (Port Denison); *id. Ibis*, 1877, p. 419, pl. ix. fig. 2 (egg); *id. Proc. Linn. Soc. N. S. W.* i. pp. 187, 217 (1877: New South Wales); *id. op. cit.* ii. p. 197 (1878); *North, op. cit.* (2) i. p. 1165 (1887); *Buller, Ibis*, 1888, p. 283; *id. B. New Zeal.* ii. p. 13 (1888: Wanganui, N. Z.); *Ramsay, Tab. List Austr. B.* p. 19 (1888: Rockingham Bay; Port Denison; Wide Bay Distr.; Richmond and Clarence Rivers; N. S. W.; Interior; Victoria and S. Australia); *Seebohm, Geogr. Distr. Charadr.* p. 190 (1888); *T. W. Kirk, Ibis*, 1889, p. 297 (New Zealand); *North, Nests & Eggs Austr. B.* p. 330 (1889); *id. Proc. Linn. Soc. N. S. W.* (2) iii. p. 1778 (1889: Cumberland, N. S. W.); *Cox & Hamilton, op. cit.* (2) iv. p. 419 (1890: Mudgee Distr.).

Chettusia lobata, *Gray, Gen. B.* iii. p. 541 (1847); *id. Hand-l. B.* iii. p. 11, no. 9851 (1871).

Chettusia gallinacea, *Gray, Gen. B.* iii. p. 541.

Lobivanellus personatus (*nec Gould*), *T. W. Kirk, Ibis*, 1888, p. 45 (New Zealand).

Lobibyx lobatus, *Heine & Reichen. Nomencl. Mus. Hein.* p. 334 (1882–1890: New South Wales).

Adult male. General colour above light brown, with a slight olive gloss; wing-coverts like the back, but the greater series more of a drab-brown, with an obsolete fringe of white at the ends; bastard-wing, primary coverts, and quills black, the secondaries drab-brown at the base of the outer web and white at the base of the inner web, the inner secondaries with less black, this being

confined to a black terminal band; lower back and rump brown, like the back, the sides of the rump and upper tail-coverts pure white: tail white, with a broad black band at the end, this black band decreasing in width towards the outer feathers, which have the white band at the tip rather broader; crown of head black, extending backwards and joining a black band which extends across the hind-neck, and descends on the sides of the neck so as to unite with a black patch on the sides of the upper breast; base of forehead, lores, sides of face, and ear-coverts, as well as the entire under surface of the body, white, including the under wing-coverts and axillaries; quill-lining black: "bill pale yellow, with a horn-coloured tip; tarsi purplish red; scales black; spur yellow; iris rich primrose-yellow; wattles primrose-yellow" (*J. Gould*). Total length 14 inches, culmen 1·4, wing 9·6, tail 4·2, tarsus 3.

Adult female. Similar to the male in colour. Total length 14 inches, culmen 1·4, wing 9·2, tail 4, tarsus 3.

Hab. Australia generally. Accidental in New Zealand.

a. Ad. sk.	Australia.	Gould Coll.
b. ♀ ad. sk.	Australia.	Seebohm Coll.
c. Ad. sk.	South Australia.	Sir G. Grey [P.].
d, e. ♂ ad. sk.	Port Lincoln, S. Australia.	Hume Coll.
f. Ad. sk.	Port Philip.	Gould Coll.
g, h. Ad. sk.	New South Wales.	Australian Museum [P.].
i. Ad. sk.	New South Wales.	J. Gould, Esq. [P.].
k, l. Ad. sk.	Gippsland Lakes.	Seebohm Coll.
m. Ad. sk.	Wide Bay, Queensland, Nov.	Seebohm Coll.
n, o. Ad. sk.	Queensland.	Salvin-Godman Coll.

2. Lobivanellus miles.

Le Vanneau armé de la Louisiane, *Briss. Orn.* v. p. 114, pl. viii. fig. 2 (1760); *Buff. Hist. Nat. Ois.* viii. p. 65 (1781); *D'Aubent. Pl. Enl.* viii. pl. 835.

Tringa miles, *Bodd. Tabl. Pl. Enl.* p. 51 (1783).

Louisiane Sandpiper, *Lath. Gen. Syn.* iii. pt. 1, p. 164 (1785).

Parra ludoviciana, *Gm. Syst. Nat.* i. p. 706 (1788).

Tringa ludoviciana, *Lath. Ind. Orn.* ii. p. 727 (1790).

Vanellus ludovicianus, *Vieill. N. Dict. d'Hist. Nat.* xxxv. p. 208 (1819); *id. Enc. Méth.* iii. p. 1075 (1823).

Charadrius callaeas, *Wagl. Syst. Av.* Charadrius, p. 76, sp. 52 (1827).

Charadrius ludovicianus, *Nitzsch, in Ersch & Grüb. Encycl.* xvi. p. 150 (1827).

Lobivanellus ludovicianus, *Strickl. P. Z. S.* 1841, p. 33.

Lobivanellus personatus, *Gould, P. Z. S.* 1842, p. 113 (N. coast of Australia); *id. B. Austr.* vi. pl. 10 (1842); *Gray, List Grall. Brit. Mus.* p. 66 (1844: Port Essington); *Reichenb. Grall.* Taf. ciii. figs. 1055-56 (1848); *Gould, Handb. B. Austr.* ii. p. 220 (1865); *Finsch, Neu-Guinea*, p. 181 (1865: Amboina); *Rosenb. Reis naar Zuidoostereil.* pp. 53, 82 (1867: Aru; Kei); *D'Alb. Ann. Mus. Gen.* x. p. 20 (1877: Fly & Katau Rivers); *Ramsay, Proc. Linn. Soc. N. S. W.* i. p. 187 (1877: N. Australia); *Seebohm, Geogr. Distr. Charadr.* p. 188 (1888).

Chettusia personata, *Gray, Gen. B.* iii. p. 541 (1847).

Chettusia miles, *Gray, Gen. B.* iii. p. 541 (1847); *id. Hand-l. B.* iii. p. 12, no. 9862 (1871).

Lobivanellus miles, *Bp. C. R.* xliii. p. 418 (1856); *Schl. Mus. Pays-Bas*, Cursores, p. 66 (1865: Amboina); *id. Ned. Tijdschr. Dierk.* iii. p. 349 (1866: Aru Is.); *Ramsay, Proc. Linn. Soc. N. S. W.* i. p. 384 (1877: Gulf of Carpentaria); *Sharpe, Journ. Linn. Soc., Zool.* xiii. p. 504 (1877: Port Moresby); *Ramsay, Proc. Linn. Soc. N. S. W.* ii. p. 197 (1878: Port Darwin); *id. op. cit.* iii. p. 298 (1879: Laloki River; Boiara); *Sharpe, Journ. Linn. Soc.* xiv. p. 688 (1879: Laloki River); *Rosenb. Malay. Archip.* p. 373 (1878–79: Aru; Kei); *D'Alb. et Salvad. Ann. Mus. Gen.* xiv. p. 128 (1879: Katau R.); *Salvad. t. c.* p. 606 (Kei Is.); *Ramsay, Proc. Linn. Soc. N. S. W.* iv. p. 101 (1880: Port Moresby; S. Cape; Louisiades); *Salvad. Ann. Mus. Gen.* xviii. p. 320 (1882); *id. Orn. Pap.* iii. p. 306 (1882); *Sel. P. Z. S.* 1883, pp. 52, 200 (Larat, Timor Laut); *Forbes, P. Z. S.* 1884, p. 133; *id. Natural. Wand. East. Archip.* p. 367 (1885: Timor Laut); *Ramsay, Proc. Linn. Soc. N. S. W.* (2) i. p. 1069 (1887: N.W. Australia); *id. op. cit.* (2) ii. p. 171 (1888); *id. Tab. List B.* p. 19 (1888); *North, Nests & Eggs Austr. B.* p. 301 (1889); *Salvad. Agg. Orn. Pap.* iii. p. 201 (1891).

Lobibyx miles, *Heine & Reichen. Nomencl. Mus. Hein.* p. 334 (1890: N. Australia).

Adult. Similar to *L. lobatus*, and having almost identically the same pattern of the wings and tail, but distinguished by its larger and differently shaped lappet, and by having the black of the head confined to a cap, and not extending backwards down the hind neck, as in *L. lobatus*; the black cap separated from the brown of the back by a collar of white round the hind neck: "bill lemon-yellow at base, black at the tip; legs and feet carmine-red, the scales in front blackish green; iris primrose-yellow; wattles lemon-yellow" (*J. Gould*). Total length 12·5 inches, culmen 1·5, wing 8·9, tail 3·7, tarsus 3.

Hab. Australia generally, New Guinea, and the Papuan Islands to Timor Laut.

a. Ad. ♂	Cape York.	Tweeddale Coll.
b. Ad. ♂	Cape York (*J. T. Cockerell*).	Salvin-Godman Coll.
c. Ad. ♂.	Port Essington.	Capt. Chambers P. Z. S.
d. Ad. ♂.	Port Essington.	J. B. Jukes, Esq. P. Z. S.
e. Ad. ♂.	Victoria River, N.W. Australia.	J. R. Elsey, Esq. C. L.
f. Ad. ♂.	N.W. Australia (*T. H. Bowyer Bower*).	Capt. Bowyer Bower P. Z. S.
g. Ad. ♂.	Port Moresby, S.E. New Guinea.	Mr. K. Broadbent C. L.
h. Ad. ♂.	Larat, Timor Laut, Sept. 29.	Dr. H. O. Forbes C. L.

3. Lobivanellus senegalus.

Le Vanneau armé du Sénégal, *Briss. Orn.* v. p. 111 (1760); *Buff. Hist. Nat. Ois.* viii. p. 62 (1781).

Parra senegalla, *Linn. Syst. Nat.* i. p. 259 (1766).

Vanneau armé du Sénégal, *D'Aubent. Pl. Enl.* viii. pl. 362.
Tringa senegalensis, *P. L. S. Müll. Syst. Nat., Anhang*, p. 113 (1776); *Cass. Proc. Acad. Phil.* 1864, p. 246.
Senegal Sandpiper, *Lath. Gen. Syn.* iii. pt. 1, p. 166 (1785: Senegal).
Tringa senegalla, *Lath. Ind. Orn.* ii. p. 728 (1790).
Vanellus albicapillus, *Vieill. N. Dict. d'Hist. Nat.* xxxv. p. 205 (1819); *Less. Traité d'Orn.* p. 542 (1831); *Vieill. Gal. Ois.* ii. p. 100, pl. 236 (1834).
Vanellus senegalus, *Vieill. N. Dict. d'Hist. Nat.* xxxv. p. 209 (1819).
Vanellus senegalensis, *Steph. in Shaw's Gen. Zool.* xi. p. 515 (1819).
Charadrius albicapillus, *Wagl. Syst. Av.* Charadrius, sp. 53, p. 77 (1827).
Vanellus strigilatus, *Swains. B. W. Afr.* ii. p. 241, pl. (1837).
Lobivanellus senegallus, *Strickl. P. Z. S.* 1841, p. 33; *Blanf. Geol. & Zool. Abyss.* p. 431 (1870: Agula below 7000 ft.; Anseba Valley).
Lobivanellus albicapillus, *Strickl. P. Z. S.* 1841, p. 33; *Reichenb. Grall.* Taf. c. figs. 682–683 (1848); *Strickl. P. Z. S.* 1850, p. 221 (Kordofan); *Finsch & Hartl. Vög. Ostafr.* p. 642 (1870); *Finsch, Trans. Zool. Soc.* vii. p. 296 (1870: Kokai; Gabena Weldt Gonfalon).
Lobivanellus senegalus, *Gray, List Grall. Brit. Mus.* p. 65 (1844: Gambia); *Licht. Nomencl. Av. Mus. Berol.* p. 95 (1854: Senegal); *Bp. C. R.* xliii. p. 418 (1856); *Hartl. Orn. W.-Afr.* p. 213 (1857: Senegambia; Casamanse; Gaboon); *Schl. Mus. Pays-Bas*, Cursores, p. 68 (1865: Senegambia; Gold Coast); *Sharpe, Ibis*, 1872, p. 73 (Plains of Accra); *Pelz. Verhandl. z.-b. Ges. Wien*, xxxi. p. 155 (1881: Magungo); *Sharpe, Journ. Linn. Soc., Zool.* xvii. p. 441 (1884: Kutchugali); *Hartert, J. f. O.* 1886, p. 609 (Anassawara).
Lobivanellus senegalensis, *Rüpp. Syst. Uebers.* p. 117 (1845; Abyssinia); *Heugl. Syst. Uebers.* p. 55 (1856: Abyssinia; White Nile); *Antin. Cat. descr. Ucc.* p. 97 (1864: Obeid); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1000 (1873: E. & C. Abyssinia to Bogos, at 3000 to 8000 feet; E. Kordofan, from the Dender and Rahad rivers westward to Qualabat; Upper White Nile and tributaries); *Antin. & Salvad. Viagg. Bogos*, p. 143 (1873: Anseba); *Hartl. Abhandl. nat. Verein. Bremen*, vii. p. 127 (1881: Equatorial Africa); *id. op. cit.* viii. p. 231 (1883); *Salvad. Ann. Mus. Gen.* (2) i. p. 274 (1884: Shoa); *id. op. cit.* (2) vi. p. 310 (1888: Cialalaká); *Seebohm, Geogr. Distr. Charadr.* p. 191 (1888); *Sharpe, Ibis*, 1892, p. 544 (Victoria Nyanza).
Chettusia senegalla, *Gray, Gen. B.* iii. p. 541 (1847); *id. Hand-l. B.* iii. p. 12, no. 9964 (1871); *Rendall, Ibis*, 1892, p. 229 (Senegambia).
Chettusia albicapillus, *Gray, Gen. B.* iii. p. 541 (1847).
Lobibyx senegalus, *Heine & Reichen. Nomencl. Mus. Hein.* p. 334 (1890: White Nile).
Vanellus albifrons, *Rüpp. MSS.* (*teste Heuglin*).

Adult male. General colour above brown, with a faint gloss of olive-green, the lower back and rump slightly darker; wing-coverts lighter, ashy or drab-brown, the median series with narrow whitish edges, the greater coverts white, with ashy-brown bases; bastard-wing, primary-coverts, and quills black, the primaries white at the base of the inner web, the secondaries white at the base of both webs, the white increasing on the inner secondaries till only the

ends are black, but there are no pure white secondaries, the innermost being brown like the back; sides of rump, upper tail-coverts, and base of tail pure white; the terminal half of the tail black, forming a very broad band, shaded above and below with light brown, the tips of the feathers white, forming a well-marked terminal bar; forehead and centre of fore part of crown white, followed by a shade of uniform dark brown, which extends from above the lores and across the centre of the crown; rest of the crown and nape ashy brown, streaked with dusky brown; lores, sides of face, ear-coverts, cheeks, and throat ashy white, streaked with dusky brown; in the centre of the throat a longitudinal black patch; fore-neck and breast drab-brown, extending down the flanks; lower abdomen, under tail-coverts, under wing-coverts, and axillaries pure white; quill-lining black: "bill yellow, the dertrum blackish; feet yellow; loral membrane elevated beyond the forehead, thence pendulous, and ending in a point, above cinnabar-red, below yellow, like the bare eyelids; iris pearly white" (*Heuglin*). Total length 12·5 inches, culmen 1·4, wing 9·2, tail 4·2, tarsus 3·2.

Adult female. Similar to the male in colour. Total length 12 inches, culmen 1·5, wing 9·1, tail 3·9, tarsus 3·2.

Young. Differs from the adult in having the head brown with dusky streaks, but no white frontal patch, the black on the throat wanting, this part being white with dusky-blackish streaks.

Hab. West Africa: Senegambia, Accra, the Niger, and Gaboon. N.E. Africa, from Kordofan and Bogos-land south to the Victoria Nyanza.

a. Ad. st.	Senegambia.	Governor Rendall [P.].
b. Ad. sk.	Senegambia.	Governor Rendall [P.].
c. Ad. sk.	Bathurst, R. Gambia (*Sir A. Moloney*).	Shelley Coll.
d. Ad. sk.	Dakar, Senegal, Jan. (*L. Laglaize*).	Tweeddale Coll.
e. ♀ ad. sk.	Accra, Gold Coast, May (*J. Smith*).	Seebohm Coll.
f. ♂ ad. sk.	Accra, Gold Coast, May (*J. Smith*).	Seebohm Coll.
g. Ad. sk.	Lokoja, R. Niger.	Major Ewart [P.].
h. ♀ ad. sk.	Kutschugali, Niam Niam Country.	F. Bohndorff [C.].
i. ♀ ad. sk.	Cialalaká, Shoa, June 13.	Turin Museum [P.].
k. ♀ ad. sk.	Dongolo, Abyssinia, May 17.	W. T. Blanford, Esq. [C.].
l, m. ♂ ♀ ad. sk.	Bogos-land, Aug. 6 (*W. Jesse*).	Tweeddale Coll.
n. ♀ ad. sk.	Kokai, Bogos-land, Aug. 10 (*W. Jesse*).	Tweeddale Coll.
o. ♂ ad.; *p.* ♀ juv. sk.	[Nubia.]	Seebohm Coll.

Vanneau armé du Sénégal, *D'Aubent. Pl. Enl.* viii. pl. 362.
Tringa senegalensis, *P. L. S. Müll. Syst. Nat., Anhang*, p. 113 (1776); *Cass. Proc. Acad. Phil.* 1864, p. 246.
Senegal Sandpiper, *Lath. Gen. Syn.* iii. pt. 1, p. 166 (1785: Senegal).
Tringa senegalla, *Lath. Ind. Orn.* ii. p. 728 (1790).
Vanellus albicapillus, *Vieill. N. Dict. d'Hist. Nat.* xxxv. p. 205 (1819); *Less. Traité d'Orn.* p. 542 (1831); *Vieill. Gal. Ois.* ii. p. 100, pl. 236 (1834).
Vanellus senegalus, *Vieill. N. Dict. d'Hist. Nat.* xxxv. p. 209 (1819).
Vanellus senegalensis, *Steph. in Shaw's Gen. Zool.* xi. p. 515 (1819).
Charadrius albicapillus, *Wagl. Syst. Av.* Charadrius, sp. 53, p. 77 (1827).
Vanellus strigilatus, *Swains. B. W. Afr.* ii. p. 241, pl. (1837).
Lobivanellus senegallus, *Strickl. P. Z. S.* 1841, p. 33; *Blanf. Geol. & Zool. Abyss.* p. 431 (1870: Agula below 7000 ft.; Anseba Valley).
Lobivanellus albicapillus, *Strickl. P. Z. S.* 1841, p. 33; *Reichenb. Grall.* Taf. c. figs. 682–683 (1848); *Strickl. P. Z. S.* 1850, p. 221 (Kordofan); *Finsch & Hartl. Vög. Ostafr.* p. 642 (1870); *Finsch, Trans. Zool. Soc.* vii. p. 296 (1870: Kokai; Gabena Weldt Gonfalon).
Lobivanellus senegalus, *Gray, List Grall. Brit. Mus.* p. 65 (1844: Gambia); *Licht. Nomencl. Av. Mus. Berol.* p. 95 (1854: Senegal); *Bp. C. R.* xliii. p. 418 (1856); *Hartl. Orn. W.-Afr.* p. 213 (1857: Senegambia; Casamanse; Gaboon); *Schl. Mus. Pays-Bas*, Cursores, p. 68 (1865: Senegambia; Gold Coast); *Sharpe, Ibis*, 1872, p. 73 (Plains of Accra); *Pelz. Verhandl. z.-b. Ges. Wien*, xxxi. p. 155 (1881: Magungo); *Sharpe, Journ. Linn. Soc., Zool.* xvii. p. 441 (1884: Kutchugali); *Hartert, J. f. O.* 1886, p. 609 (Anassawara).
Lobivanellus senegalensis, *Rüpp. Syst. Uebers.* p. 117 (1845; Abyssinia); *Heugl. Syst. Uebers.* p. 55 (1856: Abyssinia; White Nile); *Antin. Cat. descr. Ucc.* p. 97 (1864: Obeid); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1000 (1873: E. & C. Abyssinia to Bogos, at 3000 to 8000 feet; E. Kordofan, from the Dender and Rahad rivers westward to Qualabat; Upper White Nile and tributaries); *Antin. & Salvad. Viagg. Bogos*, p. 143 (1873: Anseba); *Hartl. Abhandl. nat. Verein. Bremen*, vii. p. 127 (1881: Equatorial Africa); *id. op. cit.* viii. p. 231 (1883); *Salvad. Ann. Mus. Gen.* (2) i. p. 274 (1884: Shoa); *id. op. cit.* (2) vi. p. 310 (1888: Cialalaká); *Seebohm, Geogr. Distr. Charadr.* p. 191 (1888); *Sharpe, Ibis*, 1892, p. 544 (Victoria Nyanza).
Chettusia senegalla, *Gray, Gen. B.* iii. p. 541 (1847); *id. Hand-l. B.* iii. p. 12, no. 9964 (1871); *Rendall, Ibis*, 1892, p. 229 (Senegambia).
Chettusia albicapillus, *Gray, Gen. B.* iii. p. 541 (1847).
Lobibyx senegalus, *Heine & Reichen. Nomencl. Mus. Hein.* p. 334 (1890: White Nile).
Vanellus albifrons, *Rüpp. MSS.* (*teste Heuglin*).

Adult male. General colour above brown, with a faint gloss of olive-green, the lower back and rump slightly darker; wing-coverts lighter, ashy or drab-brown, the median series with narrow whitish edges, the greater coverts white, with ashy-brown bases; bastard-wing, primary-coverts, and quills black, the primaries white at the base of the inner web, the secondaries white at the base of both webs, the white increasing on the inner secondaries till only the

ends are black, but there are no pure white secondaries, the innermost being brown like the back; sides of rump, upper tail-coverts, and base of tail pure white; the terminal half of the tail black, forming a very broad band, shaded above and below with light brown, the tips of the feathers white, forming a well-marked terminal bar; forehead and centre of fore part of crown white, followed by a shade of uniform dark brown, which extends from above the lores and across the centre of the crown; rest of the crown and nape ashy brown, streaked with dusky brown; lores, sides of face, ear-coverts, cheeks, and throat ashy white, streaked with dusky brown; in the centre of the throat a longitudinal black patch; fore-neck and breast drab-brown, extending down the flanks; lower abdomen, under tail-coverts, under wing-coverts, and axillaries pure white; quill-lining black: "bill yellow, the dertrum blackish; feet yellow; loral membrane elevated beyond the forehead, thence pendulous, and ending in a point, above cinnabar-red, below yellow, like the bare eyelids; iris pearly white" (*Heuglin*). Total length 12·5 inches, culmen 1·4, wing 9·2, tail 4·2, tarsus 3·2.

Adult female. Similar to the male in colour. Total length 12 inches, culmen 1·5, wing 9·1, tail 3·9, tarsus 3·2.

Young. Differs from the adult in having the head brown with dusky streaks, but no white frontal patch, the black on the throat wanting, this part being white with dusky-blackish streaks.

Hab. West Africa: Senegambia, Accra, the Niger, and Gaboon. N.E. Africa, from Kordofan and Bogos-land south to the Victoria Nyanza.

a. Ad. st.	Senegambia.	Governor Rendall [P.].
b. Ad. sk.	Senegambia.	Governor Rendall [P.].
c. Ad. sk.	Bathurst, R. Gambia (*Sir A. Moloney*).	Shelley Coll.
d. Ad. sk.	Dakar, Senegal, Jan. (*L. Laglaize*).	Tweeddale Coll.
e. ♀ ad. sk.	Accra, Gold Coast, May (*J. Smith*).	Seebohm Coll.
f. ♂ ad. sk.	Accra, Gold Coast, May (*J. Smith*).	Seebohm Coll.
g. Ad. sk.	Lokoja, R. Niger.	Major Ewart [P.].
h. ♀ ad. sk.	Kutschugali, Niam Niam Country.	F. Bohndorff [C.].
i. ♀ ad. sk.	Cialalaka, Shoa, June 13.	Turin Museum [P.].
k. ♀ ad. sk.	Dongolo, Abyssinia, May 17.	W. T. Blanford, Esq. [C.].
l, m. ♂ ♀ ad. sk.	Bogos-land, Aug. 6 (*W. Jesse*).	Tweeddale Coll.
n. ♀ ad. sk.	Kokai, Bogos-land, Aug. 10 (*W. Jesse*).	Tweeddale Coll.
o. ♂ ad.; *p.* ♀ juv. sk.	[Nubia.]	Seebohm Coll.

Vanneau armé du Sénégal, *D'Aubent. Pl. Enl.* viii. pl. 362.
Tringa senegalensis, *P. L. S. Müll. Syst. Nat., Anhang*, p. 113 (1776); *Cass. Proc. Acad. Phil.* 1864, p. 246.
Senegal Sandpiper, *Lath. Gen. Syn.* iii. pt. 1, p. 166 (1785: Senegal).
Tringa senegalla, *Lath. Ind. Orn.* ii. p. 728 (1790).
Vanellus albicapillus, *Vieill. N. Dict. d'Hist. Nat.* xxxv. p. 205 (1819); *Less. Traité d'Orn.* p. 542 (1831); *Vieill. Gal. Ois.* ii. p. 100, pl. 236 (1834).
Vanellus senegalus, *Vieill. N. Dict. d'Hist. Nat.* xxxv. p. 209 (1819).
Vanellus senegalensis, *Steph. in Shaw's Gen. Zool.* xi. p. 515 (1819).
Charadrius albicapillus, *Wagl. Syst. Av.* Charadrius, sp. 53, p. 77 (1827).
Vanellus strigilatus, *Swains. B. W. Afr.* ii. p. 241, pl. (1837).
Lobivanellus senegallus, *Strickl. P. Z. S.* 1841, p. 33; *Blanf. Geol. & Zool. Abyss.* p. 431 (1870: Agula below 7000 ft.; Anseba Valley).
Lobivanellus albicapillus, *Strickl. P. Z. S.* 1841, p. 33; *Reichenb. Grall.* Taf. c. figs. 682-683 (1848); *Strickl. P. Z. S.* 1850, p. 221 (Kordofan); *Finsch & Hartl. Vög. Ostafr.* p. 642 (1870); *Finsch, Trans. Zool. Soc.* vii. p. 296 (1870: Kokai; Gabena Weldt Gonfalon).
Lobivanellus senegalus, *Gray, List Grall. Brit. Mus.* p. 65 (1844: Gambia); *Licht. Nomencl. Av. Mus. Berol.* p. 95 (1854: Senegal); *Bp. C. R.* xliii. p. 418 (1856); *Hartl. Orn. W.-Afr.* p. 213 (1857: Senegambia; Casamanse; Gaboon); *Schl. Mus. Pays-Bas*, Cursores, p. 68 (1865: Senegambia; Gold Coast); *Sharpe, Ibis*, 1872, p. 73 (Plains of Accra); *Pelz. Verhandl. z.-b. Ges. Wien*, xxxi. p. 155 (1881: Magungo); *Sharpe, Journ. Linn. Soc., Zool.* xvii. p. 441 (1884: Kutchugali); *Hartert, J. f. O.* 1886, p. 609 (Anassawara).
Lobivanellus senegalensis, *Rüpp. Syst. Uebers.* p. 117 (1845; Abyssinia); *Heugl. Syst. Uebers.* p. 55 (1856: Abyssinia; White Nile); *Antin. Cat. descr. Ucc.* p. 97 (1864: Obeid); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1000 (1873: E. & C. Abyssinia to Bogos, at 3000 to 8000 feet; E. Kordofan, from the Dender and Rahad rivers westward to Qualabat; Upper White Nile and tributaries); *Antin. & Salvad. Viagg. Bogos*, p. 143 (1873: Anseba); *Hartl. Abhandl. nat. Verein. Bremen*, vii. p. 127 (1881: Equatorial Africa); *id. op. cit.* viii. p. 231 (1883); *Salvad. Ann. Mus. Gen.* (2) i. p. 274 (1884: Shoa); *id. op. cit.* (2) vi. p. 310 (1888: Cialalaká); *Seebohm, Geogr. Distr. Charadr.* p. 191 (1888); *Sharpe, Ibis*, 1892, p. 544 (Victoria Nyanza).
Chettusia senegalla, *Gray, Gen. B.* iii. p. 541 (1847); *id. Hand-l. B.* iii. p. 12, no. 9964 (1871); *Rendall, Ibis*, 1892, p. 229 (Senegambia).
Chettusia albicapillus, *Gray, Gen. B.* iii. p. 541 (1847).
Lobibyx senegalus, *Heine & Reichen. Nomencl. Mus. Hein.* p. 334 (1890: White Nile).
Vanellus albifrons, *Rüpp. MSS.* (*teste Heuglin*).

Adult male. General colour above brown, with a faint gloss of olive-green, the lower back and rump slightly darker; wing-coverts lighter, ashy or drab-brown, the median series with narrow whitish edges, the greater coverts white, with ashy-brown bases; bastard-wing, primary-coverts, and quills black, the primaries white at the base of the inner web, the secondaries white at the base of both webs, the white increasing on the inner secondaries till only the

ends are black, but there are no pure white secondaries, the innermost being brown like the back; sides of rump, upper tail-coverts, and base of tail pure white; the terminal half of the tail black, forming a very broad band, shaded above and below with light brown, the tips of the feathers white, forming a well-marked terminal bar; forehead and centre of fore part of crown white, followed by a shade of uniform dark brown, which extends from above the lores and across the centre of the crown; rest of the crown and nape ashy brown, streaked with dusky brown; lores, sides of face, ear-coverts, cheeks, and throat ashy white, streaked with dusky brown; in the centre of the throat a longitudinal black patch; fore-neck and breast drab-brown, extending down the flanks; lower abdomen, under tail-coverts, under wing-coverts, and axillaries pure white; quill-lining black: "bill yellow, the dertrum blackish; feet yellow; loral membrane elevated beyond the forehead, thence pendulous, and ending in a point, above cinnabar-red, below yellow, like the bare eyelids; iris pearly white" (*Heuglin*). Total length 12·5 inches, culmen 1·4, wing 9·2, tail 4·2, tarsus 3·2.

Adult female. Similar to the male in colour. Total length 12 inches, culmen 1·5, wing 9·1, tail 3·9, tarsus 3·2.

Young. Differs from the adult in having the head brown with dusky streaks, but no white frontal patch, the black on the throat wanting, this part being white with dusky-blackish streaks.

Hab. West Africa: Senegambia, Accra, the Niger, and Gaboon. N.E. Africa, from Kordofan and Bogos-land south to the Victoria Nyanza.

a. Ad. st.	Senegambia.	Governor Rendall [P.].
b. Ad. sk.	Senegambia.	Governor Rendall [P.].
c. Ad. sk.	Bathurst, R. Gambia (*Sir A. Moloney*).	Shelley Coll.
d. Ad. sk.	Dakar, Senegal, Jan. (*L. Laglaize*).	Tweeddale Coll.
e. ♀ ad. sk.	Accra, Gold Coast, May (*J. Smith*).	Seebohm Coll.
f. ♂ ad. sk.	Accra, Gold Coast, May (*J. Smith*).	Seebohm Coll.
g. Ad. sk.	Lokoja, R. Niger.	Major Ewart [P.].
h. ♀ ad. sk.	Kutschugali, Niam Niam Country.	F. Bohndorff [C.].
i. ♀ ad. sk.	Cialalaka, Shoa, June 13.	Turin Museum [P.].
k. ♀ ad. sk.	Dongolo, Abyssinia, May 17.	W. T. Blanford, Esq. [C.].
l, m. ♂ ♀ ad. sk.	Bogos-land, Aug. 6 (*W. Jesse*).	Tweeddale Coll.
n. ♀ ad. sk.	Kokai, Bogos-land, Aug. 10 (*W. Jesse*).	Tweeddale Coll.
o. ♂ ad.; *p.* ♀ juv. sk.	[Nubia.]	Seebohm Coll.

Vanneau armé du Sénégal, *D'Aubent. Pl. Enl.* viii. pl. 362.
Tringa senegalensis, *P. L. S. Müll. Syst. Nat., Anhang*, p. 113 (1776); *Cass. Proc. Acad. Phil.* 1864, p. 246.
Senegal Sandpiper, *Lath. Gen. Syn.* iii. pt. 1, p. 166 (1785: Senegal).
Tringa senegalla, *Lath. Ind. Orn.* ii. p. 728 (1790).
Vanellus albicapillus, *Vieill. N. Dict. d'Hist. Nat.* xxxv. p. 205 (1819); *Less. Traité d'Orn.* p. 542 (1831); *Vieill. Gal. Ois.* ii. p. 100, pl. 236 (1834).
Vanellus senegalus, *Vieill. N. Dict. d'Hist. Nat.* xxxv. p. 209 (1819).
Vanellus senegalensis, *Steph. in Shaw's Gen. Zool.* xi. p. 515 (1819).
Charadrius albicapillus, *Wagl. Syst. Av.* Charadrius, sp. 53, p. 77 (1827).
Vanellus strigilatus, *Swains. B. W. Afr.* ii. p. 241, pl. (1837).
Lobivanellus senegallus, *Strickl. P. Z. S.* 1841, p. 33; *Blanf. Geol. & Zool. Abyss.* p. 431 (1870: Agula below 7000 ft.; Anseba Valley).
Lobivanellus albicapillus, *Strickl. P. Z. S.* 1841, p. 33; *Reichenb. Grall.* Taf. c. figs. 682–683 (1848); *Strickl. P. Z. S.* 1850, p. 221 (Kordofan); *Finsch & Hartl. Vög. Ostafr.* p. 642 (1870); *Finsch, Trans. Zool. Soc.* vii. p. 296 (1870: Kokai; Gabena Weldt Gonfalon).
Lobivanellus senegalus, *Gray, List Grall. Brit. Mus.* p. 65 (1844: Gambia); *Licht. Nomencl. Av. Mus. Berol.* p. 95 (1854: Senegal); *Bp. C. R.* xliii. p. 418 (1856); *Hartl. Orn. W.-Afr.* p. 213 (1857: Senegambia; Casamanse; Gaboon); *Schl. Mus. Pays-Bas*, Cursores, p. 68 (1865: Senegambia; Gold Coast); *Sharpe, Ibis*, 1872, p. 73 (Plains of Accra); *Pelz. Verhandl. z.-b. Ges. Wien*, xxxi. p. 155 (1881: Magungo); *Sharpe, Journ. Linn. Soc., Zool.* xvii. p. 441 (1884: Kutchugali); *Hartert, J. f. O.* 1886, p. 609 (Anassawara).
Lobivanellus senegalensis, *Rüpp. Syst. Uebers.* p. 117 (1845; Abyssinia); *Heugl. Syst. Uebers.* p. 55 (1856: Abyssinia; White Nile); *Antin. Cat. descr. Ucc.* p. 97 (1864: Obeid); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1000 (1873: E. & C. Abyssinia to Bogos, at 3000 to 8000 feet; E. Kordofan, from the Dender and Rahad rivers westward to Qualabat; Upper White Nile and tributaries); *Antin. & Salvad. Viagg. Bogos*, p. 143 (1873: Anseba); *Hartl. Abhandl. nat. Verein. Bremen*, vii. p. 127 (1881: Equatorial Africa); *id. op. cit.* viii. p. 231 (1883); *Salvad. Ann. Mus. Gen.* (2) i. p. 274 (1884: Shoa); *id. op. cit.* (2) vi. p. 310 (1888: Cialalaká); *Seebohm, Geogr. Distr. Charadr.* p. 191 (1888); *Sharpe, Ibis*, 1892, p. 544 (Victoria Nyanza).
Chettusia senegalla, *Gray, Gen. B.* iii. p. 541 (1847); *id. Hand-l. B.* iii. p. 12, no. 9964 (1871); *Rendall, Ibis*, 1892, p. 229 (Senegambia).
Chettusia albicapillus, *Gray, Gen. B.* iii. p. 541 (1847).
Lobibyx senegalus, *Heine & Reichen. Nomencl. Mus. Hein.* p. 334 (1890: White Nile).
Vanellus albifrons, *Rüpp. MSS.* (*teste Heuglin*).

Adult male. General colour above brown, with a faint gloss of olive-green, the lower back and rump slightly darker; wing-coverts lighter, ashy or drab-brown, the median series with narrow whitish edges, the greater coverts white, with ashy-brown bases; bastard-wing, primary-coverts, and quills black, the primaries white at the base of the inner web, the secondaries white at the base of both webs, the white increasing on the inner secondaries till only the

ends are black, but there are no pure white secondaries, the innermost being brown like the back; sides of rump, upper tail-coverts, and base of tail pure white; the terminal half of the tail black, forming a very broad band, shaded above and below with light brown, the tips of the feathers white, forming a well-marked terminal bar; forehead and centre of fore part of crown white, followed by a shade of uniform dark brown, which extends from above the lores and across the centre of the crown; rest of the crown and nape ashy brown, streaked with dusky brown; lores, sides of face, ear-coverts, cheeks, and throat ashy white, streaked with dusky brown; in the centre of the throat a longitudinal black patch; fore-neck and breast drab-brown, extending down the flanks; lower abdomen, under tail-coverts, under wing-coverts, and axillaries pure white; quill-lining black: "bill yellow, the dertrum blackish; feet yellow; loral membrane elevated beyond the forehead, thence pendulous, and ending in a point, above cinnabar-red, below yellow, like the bare eyelids; iris pearly white" (*Heuglin*). Total length 12·5 inches, culmen 1·4, wing 9·2, tail 4·2, tarsus 3·2.

Adult female. Similar to the male in colour. Total length 12 inches, culmen 1·5, wing 9·1, tail 3·9, tarsus 3·2.

Young. Differs from the adult in having the head brown with dusky streaks, but no white frontal patch, the black on the throat wanting, this part being white with dusky-blackish streaks.

Hab. West Africa: Senegambia, Accra, the Niger, and Gaboon. N.E. Africa, from Kordofan and Bogos-land south to the Victoria Nyanza.

a	Ad. st.	Senegambia.	Governor Rendall [P.].
b	Ad. sk.	Senegambia.	Governor Rendall [P.].
c	Ad. sk.	Bathurst, R. Gambia (*Sir A. Moloney*).	Shelley Coll.
d	Ad. sk.	Dakar, Senegal, Jan. (*L. Laglaize*)	Tweeddale Coll.
e	♀ ad. sk.	Accra, Gold Coast, May (*J. Smith*).	Seebohm Coll.
f	♂ ad. sk.	Accra, Gold Coast, May (*J. Smith*).	Seebohm Coll.
g	Ad. sk.	Lokoja, R. Niger.	Major Ewart [P.].
h	♂ ad. sk.	Kutschugali, Niam Niam Country.	F. Bohndorff [C.].
i	♂ ad. sk.	Chalalaka, Shoa, June 13.	Turin Museum [P.].
k	♂ ad. sk.	Dongolo, Abyssinia, May 17.	W. T. Blanford, Esq. [C.].
l	♂ ad. sk.	Bogos-land, Aug. 6 (*W. Jesse*).	Tweeddale Coll.
m	♀ ad. sk.	Kokai, Bogos-land, Aug. 10 (*W. Jesse*).	Tweeddale Coll.
n	♂ ad.	[Nubia.]	Seebohm Coll.
p	♂ juv. sk.		

4. Lobivanellus lateralis.

Vanellus lateralis, *Smith, Ill. Zool. S. Afr., Birds*, pl. 23 (1839: U'Tugela R.); *Hartl. Orn. W.-Afr.* p. 213, note (1857).

Lobivanellus lateralis, *Gray, List Grall. Brit. Mus.* p. 65 (1844: Cape); *Reichenb. Grallæ*, Taf. c. fig. 684 (1848); *Mont. P. Z. S.* 1865, p. 90 (Benguela); *Finsch & Hartl. Vög. Ostafr.* p. 643 (1870); *Gurney in Anderss. B. Dam. Ld.* p. 267 (1872: Okavango & Teoughe Rivers; Lake Ngami; Ondonga); *Ayres, Ibis*, 1873, p. 283 (Transvaal); *Bocage, Orn. Angola*, p. 428 (1881: Caconda; Huilla; Humbe); *Shelley, Ibis*, 1882, p. 363 (Mashonaland); *Holub & Pelz. Beitr. Orn. Südafr.* p. 240 (1882: Zambesi); *Böhm, J. f. O.* 1885, p. 39 (Gonda; Urambo); *Seebohm, Geogr. Distr. Charadr.* p. 193 (1888); *Heine & Reichen. Nomencl. Mus. Hein.* p. 334 (1890: Damara-land); *Reichen. J. f. O.* 1892, p. 7 (Victoria Nyanza); *id. Vög. Deutsch. Ost-Afr.* p. 36 (1894: Victoria Nyanza; Igónda; Wualaba; Ugalla; Ussambiro; Bukóba).

Chettusia lateralis, *Gray, Gen. B.* iii. p. 541 (1847); *Gurney Ibis*, 1864, p. 3 (Damara-land); *Layard, B. S. Afr.* p. 292 (1867); *Buckley, Ibis*, 1874, p. 387 (Transvaal).

Lobivanellus senegalensis (*nec L.*), *Kirk, Ibis*, 1864, p. 332 (River Shiré; Zambesi); *Emin, J. f. O.* 1891, p. 339 (Ussambiro-Umpeke).

Lobivanellus senegalus (*nec L.*), *Sharpe, ed. Layard's B. S. Afr.* pp. 666, 855 (1884); *Büttik. Notes Leyd. Mus.* xi. p. 199 (1889: Upper Cunene River); *Shelley, Ibis*, 1894, p. 475 (Lake Shirwa; Palombi River).

Adult female. Very similar to *L. senegalus*, but distinguished by its ashy-blackish flanks, which form a conspicuous dark patch on the sides of the body, extending as a dusky shade across the abdomen, just below the brown of the breast: "bill and feet greenish, the tip of the bill black; carpal spur and claws blackish; inferior lobe of anteocular caruncle yellow, the superior lobule orange-red" (*Sir A. Smith*). Total length 12 inches, culmen 1·3, wing 9·2, tail 4, tarsus 3·3.

Adult male. Similar to the female in plumage. Total length 11·5 inches, culmen 1·45, wing 8·9, tail 3·5, tarsus 3·5.

Hab. S.E. Africa from Natal and the Transvaal, west to Benguela and Mossamedes, north to the Zambesi and the Victoria Nyanza.

a. Ad. sk.	Tugela River, Natal (*Sir A. Smith*).	South-African Museum. (Type of species.)
b. ♂ ad. sk.	Transvaal, Nov. 27 (*T. E. Buckley*).	Shelley Coll.
c. ♂ ad. sk.	Transvaal (*T. Ayres*).	Sharpe Coll.
d. Ad. sk.	Lower Shiré Valley (*Sir J. Kirk*).	Livingstone Expedition.
e, f. Ad. sk.	Upper Shiré River, Nov. (*A. Whyte*).	H. H. Johnston, Esq., C.B. [P.].
g. ♀ ad. sk.	Lake Shirwa, May 6 (*A. Whyte*).	H. H. Johnston, Esq., C.B. [P.].
h, i. ♂ ♀ ad. sk.	Palombi Plains, Shirwa Distr., Oct. (*A. Whyte*).	H. H. Johnston, Esq., C.B. [P.].
k. Ad. sk.	Benguela.	Monteiro Coll.

Subfamily IV. CHARADRIINÆ.

Key to the Genera.

a With a large spur on the wing; with a large facial lappet ..... 12. XIPHIDIOPTERUS, [p. 146.

b. With no spur on the wing, but a facial wattle present.

a'. With a hind toe.

a''. Tarsus long, more than twice the length of the middle toe and claw; bare portion of tibia equal to length of middle toe and claw ..... 13. SARCOGRAMMUS, [p. 148.

b''. Tarsus shorter and stouter, not twice the length of the middle toe and claw; tibia feathered almost to the tarso-metatarsal joint ..... 14. TYLIBYX, p. 153.

b'. Without a hind toe.

c'' Inner secondaries reaching nearly to the ends of the primaries; tibia densely feathered almost to the tarso-metatarsal joint ..... 15. ZONIFER, p. 154.

d''. Inner secondaries shorter than primaries, the distance between them being greater than the length of the middle toe and claw; tibia naked, the bare part more than half the length of the tarsus ..... 16. ANOMALOPHRYS, [p. 156.

c With a visible spur on the wing, but no facial wattle. [p. 157.

c'. Wing-spur black, very long and sharp .. 17. HOPLOPTERUS,

d' Wing-spur yellow, large and blunt; a long crest of recurved slender feathers .. 18. BELONOPTERUS, [p. 163.

d With no spur and no facial wattle.

e Inner secondaries broad and with the tips rounded; the distance from the shortest secondary to the tip of the primaries not equal to half the length of the wing.

e'. With a recurved crest of long pointed plumes ..... 19. VANELLUS, p. 166.

f' No crest.

a Hind toe present.

*a**. Tarsus very long, twice the length of the middle toe and claw..... 20. EURYPTERUS, [p. 171.

*b**. Tarsus much shorter, not twice the length of the middle toe and claw ..... 21. CHÆTUSIA, p. 174.

b No hind toe ..... 22. STEPHANIBYX, [p. 177.

f Inner secondaries very long and pointed, the distance from the shortest secondary to the tip of the primaries more than half the length of the wing.

g A black throat or breast in summer plumage; upper plumage spangled with gold, or with black and white. [p. 182.

c A hind toe present ..... 23. SQUATAROLA,

d No hind toe ..... 24. CHARADRIUS, [p. 191.

h''. No black abdomen in summer, this being white; rarely a black throat; plumage of upper surface plain and mostly uniform.
e'''. Bill stout, or moderately so; culmen about equal to the length of the middle toe and claw.
*c*⁴. A hind toe present..... 25. APHRIZA, p. 208.
*d*⁴. No hind toe ..... 26. OCHTHODROMUS, [p. 209.
f'''. Culmen shorter, less than length of middle toe and claw.
*e*⁴. Tibia feathered nearly to the tibio-tarsal joint ..... 27. EUDROMIAS, [p. 234.
*f*⁴. Tibia bare for some distance.
*a*⁵. Hind toe present ..... 28. ZONIBYX, p. 238.
*b*⁵. No hind toe.
*a*⁶. Tarsus long, twice the length of exposed culmen ..... 29. PODASOCYS, p. 240.
*b*⁶. Tarsus shorter, never twice the length of exposed culmen.
*a*⁷. Tail long and wedge-shaped, more than half the length of the wing ..... 30. OXYECHUS, p. 242.
*b*⁷. Tail shorter and more square, not exceeding half the length of the wing.
*a*⁸. Tarsus long, exceeding middle toe and claw in length.
*a*⁹. Outer toe joined to the middle one by a web as far as the second joint. 31. ÆGIALEUS, p. 250.
*b*⁹. Outer toe not connected with the middle one near the base ..... 32. ÆGIALITIS, p. 254.
*b*⁸. Tarsus very short, less than middle toe and claw. 33. PLUVIANELLUS, [p. 303.
g'''. Culmen longer than middle toe and claw.
*g*⁴. Bill straight, not deflected ..... 34. THINORNIS, p. 304.
*h*⁴. Bill deflected to the right..... 35. ANARHYNCHUS, [p. 306.

12. XIPHIDIOPTERUS.

Type.
Xiphidiopterus, *Reichenb. Av. Syst. Nat.* p. xviii (1852). X. albiceps.

Range. Western Africa to the Upper White Nile district. Java; Sumatra; Timor.

Key to the Species.

a. Head grey, forehead and centre of crown white; throat grey; wing-coverts black; under surface of body white ..... *albiceps*, p. 147.
b. Head and throat black; wing coverts ashy brown like the back: breast ashy brown, the abdomen black ..... *cucullatus*, p. 148.

1. Xiphidiopterus albiceps.

Vanellus albiceps, *Gould*, *P. Z. S.* 1834, p. 45 (Fernando Po).

Lobivanellus albiceps, *Strickl. P. Z. S.* 1841, p. 33; *Hartl. Orn. W.-Afr.* p. 214 (1857: Fernando Po); *Cass. Proc. Philad. Acad.* 1859, p. 173 (Camma R.); *Hartl. J. f. O.* 1861, p. 268; *Reichen. J. f. O.* 1877, p. 11 (Loango); *Oust. Nouv. Arch. Mus.* (2) ii. p. 145 (1879: River Ogowé); *W. A. Forbes, Ibis*, 1883, p. 534 (River Niger); *Büttik. Notes Leyd. Mus.* ix. p. 236 (1885; Liberia); *Hartert, J. f. O.* 1886, p. 609 (Iddah on the Niger; Loko on the Benüe); *Büttik. Notes Leyd. Mus.* xi. p. 136 (1887); *Seebohm, Geogr. Distr. Charadr.* p. 195, pl. viii. (1888).

Sarciophorus albiceps, *Fraser, Zool. Typ.* pl. 64 (1849).

Xiphidiopterus albiceps, *Reichenb. Grall.* tab. clxxxi. fig. 2432 (1850); *Bp. C. R.* xliii. p. 418 (1856).

Hoplopterus speciosus (*nec Wagler*), *Antin. Cat. descr. Uce.* p. 97 (1864: Dender R.); *Salvad. Atti R. Accad. Sci. Torino*, 1870, p. 746; *Layard, B. S. Afr.* p. 293 (descr., nec loc.); *Gurney, Ibis*, 1878, p. 255.

Hoplopterus albiceps, *Gray, Hand-l. B.* iii. p. 13, no. 9974 (1871); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1007 (1873); *Reichen. J. f. O.* 1877, p. 11 (Loango Coast); *id. J. f. O.* 1885, p. 217 (Stanley Pool); *Sharpe, ed. Layard's B. S. Afr.* p. 607 (1884: descr., nec loc.).

Adult. General colour above light brown, the lower back white with a black band across it; rump and upper tail-coverts pure white; scapulars like the back, but the outer ones white, forming a patch; wing-coverts black; bastard-wing and primary-coverts pure white; quills for the most part pure white, the three outer primaries black, with white on the inner webs, the innermost secondaries like the back, the proximal ones white, externally brown; basal half of tail white, the terminal half black, forming a very broad band, decreasing in size on the outer feathers; forehead and centre of crown white, bordered with blackish along the sides of the crown; a broad eyebrow, as well as the whole of the sides of face, cheeks, and sides of neck, bluish grey, followed by a white patch on the upper part of the mantle; centre of throat and under surface of body pure white, including the under wing-coverts and axillaries: "fore half of bill black, basal half clear citron-yellow; the lappets dark citron-yellow, with a black spot on the inner side; feet bright grass-green; iris clear sulphur-yellow" (*E. Hartert*). Total length 11 inches, culmen 1·35, wing 8·1, tail 3·7, tarsus 2·9.

Hab. West Africa from Liberia to the Congo, and along that river eastwards to the Upper White Nile (Dender River).

a–e.	Ad. sk.	Ankobra River.	Sir R. Burton & Capt. Cameron [P.].
f	Ad. sk.	River Niger.	Dr. Baikie [C.].
g.	Ad. sk.	Fernando Po (*L. Fraser*).	Eyton Coll. (Type of species.)
h	Ad. sk.	Fernando Po.	Capt. Dalton [P.].
i, *j*	ad. sk.	Ogowé River.	H. T. Ansell, Esq. [P.].
k	Ad. ot.	Gaboon.	Purchased.

2. Xiphidiopterus cucullatus.

Vanellus tricolor (*nec V.*), *Horsf. Trans. Linn. Soc.* xiii. p. 186 (1820: Java).
Charadrius macropterus, *Wagl. Syst. Av.*, Charadrius, sp. 54, p. 77 (1827: *ex Cuv. Mus. Paris*).
Vanellus cucullatus, *Temm. Pl. Col.* v. pl. 505 (1830: Java; Timor).
Tringa macropterus, *Less. Traité d'Orn.* p. 542 (1831).
Lobivanellus cucullatus, *Strickl. P. Z. S.* 1841, p. 33; *Finsch, Neu-Guinea*, p. 181 (1865: Timor; Sumatra); *Seebohm, Geogr. Distr. Charadr.* p. 187 (1888).
Lobivanellus tricolor, *Strickl. P. Z. S.* 1841, p. 33; *Bp. C. R.* xliii. p. 418 (1856); *Schl. Mus. Pays-Bas*, Cursores, p. 67 (1865: Sumatra; Timor; Java); *Vorderm. Nat. Tijdschr. Nederl. Ind.* xliv. pp. 204, 248 (1884: Java), xlvi. p. 21 (1886), xlix. p. 415 (1889: Sumatra).
Chettusia cucullatus, *Gray, List Grall. Brit. Mus.* p. 65 (1844: Java); *id. Gen. B.* iii. p. 541 (1847).
Chettusia macroptera, *Gray, Gen. B.* iii. p. 541 (1847).
Chettusia tricolor, *Gray, Hand-l. B.* iii. p. 12, no. 9963 (1871).

Adult (type of *V. tricolor*, Horsf.). General colour above light brown, including the whole of the wing-coverts and innermost secondaries; the greater coverts with slightly paler ends; bastard-wing, primary-coverts, and quills black, the secondaries with pale bases, light ashy brown on the outer web and white on the inner web; upper tail-coverts and base of tail white, forming a broad band, the rest of the tail black, with a band of white at the end; crown of head and nape glossy black, followed by a greyish collar round the hind neck, extending over the sides of the neck and over the lower throat; the sides of the face and throat black like the head; fore neck, breast, and sides of body ashy brown or drab; centre of the breast and abdomen black; thighs drab-brown, blackish anteriorly; vent and under tail-coverts white; under wing-coverts and axillaries also white: "bill black, light flesh-colour at the base; an oblong white lappet, dark at the point; naked part of tibia fiery orange, changing into clear yellow on the tarsus; scales of tarsus and upper part of toes dark sepia-brown; iris brownish black" (*J. Vorderman*). Total length 11 inches, culmen 1·65, wing 9·8, tail 3·3, tarsus 3·45.

Hab. Java; Sumatra; Timor.

a, *b*. Ad. sk.	Java (*Dr. Horsfield*).	India Museum [P.]. (Types of *V. tricolor*, Horsf.)
c. Ad. st.	Java.	Leiden Museum.

13. SARCOGRAMMUS.

	Type.
Sarcogrammus, *Reichenb. Av. Syst. Nat.* p. xviii (1852)..	S. indicus.

Range. From Persia eastwards to Afghanistan and the Indian Peninsula to Ceylon; Burmese countries to Cochin China, the Malay Peninsula, and Sumatra.

Key to the Species.

a. White band from behind the eye reaching to the sides of the mantle; no white collar round the hind neck .... *indicus*, p. 149.

b. White band from behind the eye only reaching a little way down the sides of the neck, which are black like the crown and throat; white collar on hind neck distinct..... *atrinuchalis*, p. 152.

1. Sarcogrammus indicus.

Vanneau armé de Goa, *D'Aubent. Pl. Enl.* viii. pl. 807.
Le Vanneau armé des Indes, *Buff. Hist. Nat. Ois.* viii. p. 64 (1781).
Tringa indica, *Bodd. Tabl. Pl. Enl.* p. 50 (1783).
Goa Sandpiper, *Lath. Gen. Syn.* iii. pt. 1, p. 105 (1785).
Parra goensis, *Gm. Syst. Nat.* i. p. 706 (1788).
Tringa goensis, *Lath. Ind. Orn.* ii. p. 727 (1790).
Vanellus goensis, *Vieill. N. Dict. d'Hist. Nat.* xxxv. p. 208 (1819); *Frankl. P. Z. S.* 1831, p. 124 (Ganges); *Sykes, P. Z. S.* 1832, p. 165 (Deccan); *Gould, Cent. B. Himal. M.* pl. 78 (1832); *Jerd. Madr. Journ.* xii. p. 214 (1840).
Charadrius atrogularis, *Wagl. Syst. Av.*, Charadrius, p. 75, sp. 49 (1827).
Lobivanellus goensis, *Strickl. P. Z. S.* 1841, p. 33; *Hodgs. Icon. ined. in Brit. Mus.*, *Grall.* pl. 51, no. 228; *id. in Gray's Zool. Misc.* p. 86 (1844); *Gray, List Grall. Brit. Mus.* p. 65 (1844: Nepal); *id. Cat. Mamm. etc. Nepal pres. Hodgs.* p. 132 (1846); *Blyth, Cat. B. Mus. As. Soc.* p. 261 (1849: Calcutta); *Licht. Nomencl. Av. Mus. Berol.* p. 85 (1854: Bengal); *Irby, Ibis*, 1861, p. 237 (Oudh); *Jerd. B. Ind.* iii. p. 648 (1864); *Beavan, Ibis*, 1868, p. 390 (Manbhoom); *Brooks, Ibis*, 1869, p. 60 (Naini Tal); *Feilden, Ibis*, 1870, p. 285 (Secunderabad, breeding); *Blanf. J. A. S. Beng.* xl. p. 275 (1871: Wardha Valley); *Hayes Lloyd, Ibis*, 1873, p. 416 (Kathiawar); *C. H. T. Marshall, Ibis*, 1884, p. 424 (Chamba); *W. W. Cordeaux, Ibis*, 1888, p. 224 (Lindur Valley, Cashmere).
Chettusia indica, *Gray, Gen. B.* iii. p. 541 (1847); *id. Hand-l. B.* iii. p. 11, no. 10659 (1871).
Sarcogrammus goensis, *Reichenb. Grall.* p. xviii, taf. ci. fig. 168, t. cii. fig. 1050 (1852).
Lobivanellus indicus, *Schl. Mus. Pays-Bas*, Cursores, p. 68 (1865: Bengal; Columbo); *Haddon, P. Z. S.* 1874, p. 472 (Ceylon); *Stoliczka, J. A. S. Beng.* xli. p. 251 (1872: Kutch); *Hume, Nests & Eggs Ind. B.* p. 574 (1873); *id. Str. F.* i. p. 232 (1873: Sind); *Adam, t. c.* p. 394 (Sambhur); *Ball, Str. F.* ii. p. 420 (1874: Chota Nagpur); *Butler, Str. F.* iv. pp. 14, 35 (1876: Northern Guzerat; Mount Aboo); *Fairbank, t. c.* p. 262 (Khandala); *Blanf. East. Persia*, ii. p. 281 (1876: Shiraz; Baluchistan); *Hume, Str. F.* v. p. 45 (1877: Cachar); *Butler, t. c.* p. 286 (Gulf of Oman); *Hume, Str. F.* vii. p. 39 (1878: Travancore); *id. t. c.* p. 67 (Jodhpur); *Davidson & Wenden, t. c.* p. 88 (Deccan, breeding); *Hume, t. c.* p. 97 (Oodeypur); *Murray, t. c.* p. 110 (Sind); *Ball, t. c.* p. 227 (Ganges to Godavery); *Cripps, t. c.* p. 300 (Faridpur); *Hume, t. c.* p. 483 (Calcutta); *Butler, Cat. B. Sind etc.* p. 59 (1879); *Hume, Str. F.* viii. p. 112 (1879); *Scully, t. c.* pp. 352, 393 (Nepal); *Doig, t. c.* pp. 371, 376 (E. Narra, breeding); *Legge, B. Ceylon*, iii. p. 962 (1880); *Vidal, Str. F.* ix. p. 82 (1880: S. Konkan); *Barnes, t. c.* pp. 220, 459 (Chaman, breeding); *Butler, t. c.* p. 427 (S. Mahratta Country, resident); *id. Cat. B. S. Bomb. Pres.* p. 74 (1880); *Reid, Str. F.* x. p. 66 (1881: Lucknow); *Biddulph, Ibis*, 1881, p. 95 (Gilgit); *Scully, t. c.* p. 587; *Swinhoe, Ibis*, 1882, p. 120 (Candahar); *Davidson, Str. F.* x. p. 319 (1882: W. Khandeish); *Dawson, t. c.* p. 413 (1883: Wynaad); *Taylor,*

t. c. p. 465 (Mysore); *Terry, t. c.* p. 480 (Palani Hills); *Murray, Vertebr. Faun. Sind*, p. 228 (1884); *Swinhoe & Barnes, Ibis*, 1885, p. 133 (Mhow distr., breeding); *Sharpe, Ibis*, 1886, p. 167 (Muscat); *Hume, Str. F.* xi. p. 316 (1888); *Seebohm, Geogr. Distr. Charadr.* p. 184 (1888); *St. John, Ibis*, 1889, p. 176 (S. Afghanistan); *Heine & Reichen. Nomencl. Mus. Hein.* p. 334 (1890); *Oates, ed. Hume's Nests & Eggs Ind. B.* iii. p. 340 (1890); *Sharpe, Sci. Results 2nd Yark. Miss., Aves*, p. 139 (1891: Srinagar).

Chætusia goensis, *Tytler, Ibis*, 1868, p. 203 (Simla to Masuri).

Adult male. General colour above light ashy brown, glossed with a metallic shade of oily green, and showing a slight violet iridescence on the mantle; lower back dusky brown; sides of lower back, rump, upper tail-coverts, and base of tail pure white, followed by a shade of light brown before a very broad black band across the terminal third of the tail, followed by a broad band at the end of the tail-feathers, brown on the two centre ones and white on the rest; wing-coverts glossy violet, the greater series light ashy brown like the back, the outer ones white at the ends; the greater coverts pure white with ashy bases; bastard-wing, primary-coverts, and quills black; the secondaries black, with white at the base of the inner web, increasing towards the inner secondaries, which gradually become pure white, the innermost ones brown like the back; crown of head and nape black, slightly crested; lores and feathers below the eye black, as well as the cheeks, throat, and upper breast; from the back of the eye a broad band of white extending over the ear-coverts and down the neck, the sides of the neck being white, and extending round the hind neck in a somewhat incomplete collar, broken by blackish feathers in the centre and slightly tinged with grey above the mantle; sides of fore neck, chest, and entire under surface of body below the upper breast pure white, including the under wing- and tail-coverts: "bill black, reddish at base; wattles rosy-red; feet pale yellow; claws dark horny-brown; iris brown" (*C. T. Bingham*). Total length 13·5 inches, culmen 1·35, wing 9·1, tail 4·4, tarsus 2·95.

Adult female. Similar in colour to the male. Total length 13 inches, culmen 1·3, wing 9, tail 4·5, tarsus 2·9.

Young. Distinguished from the adults by having pale sandy margins to the feathers; the crown of the head light brown, black on the sides and hinder crown; the throat white, as well as the sides of the face; the sides of the head from the hinder ear-coverts dusky black, extending over the lower throat and chest.

This specimen above described is from Mhow, procured by Colonel Swinhoe in October. The wattles are scarcely perceptible. By the following spring the head and throat become black.

Hab. From Persia and Mesopotamia, N. Arabia (Muscat), to Afghanistan and throughout the whole of the Indian Peninsula, east to Assam, and south to Ceylon.

a. Ad. sk.	"Roodklaneh Doozdee, a river in Roodan," May 27 (*Keith Abbott*).	Gould Coll.
b, *c*, *d*. Ad. sk.	Mesopotamia (*Commander Jones*).	Euphrates Exped.
e. Ad. sk.	Muscat.	Colonel Miles [illegible]

f. ♂ ad. sk.	Sibb, Baluchistan, March 25.	W. T. Blanford, Esq. [C.].
g. Ad.; *h*. Juv. sk.	Nal, Khelat, April, Aug. (*O. T. Duke*).	Hume Coll.
i. Ad. sk.	Kozdar, May 15 (*O. T. Duke*).	Hume Coll.
k, *l*. Ad. sk.	Afghanistan (*Griffith*).	India Museum.
m. ♂; *n*, *o*. ♀ ad. sk.	Candahar, Feb., March.	Col. C. Swinhoe [P.].
p. ♂ ad. sk.	Sukkur, Sind, Dec. 28 (*A. O. H.*).	Hume Coll.
q. Ad. sk.	Roree, Nov. (*Dr. F. Day*).	Hume Coll.
r. Ad. sk.	Mooltan (*Capt. Tweedie*).	Gould Coll.
s. Ad. sk.	Dehra Ghazi Khan.	Hume Coll.
t. Ad. sk.	Peshawur, Feb. 4.	Colonel Way [P.].
u. ♀ ad. sk.	Sirza district, Punjab, Dec. 7 (*A. O. H.*).	Hume Coll.
v. Ad. sk.	Srinuggur, Cashmere, Aug. 1.	Dr. Stoliczka [P.].
w, *x*. ♂; *y*-*b'*. ♀ ad.; *c'*. Pull. sk.	Sambhur, Feb.-June (*R. M. Adam*).	Hume Coll.
d', *e'*. Ad. sk.	Dhoon.	Hume Coll.
f'. Ad. sk.	Hills N. of Masuri.	Hume Coll.
g', *h'*. Ad. sk.	Kumaon (*Strachey*).	India Museum.
i'. ♂ ad. sk.	Kumaon Terai, March.	Col. Biddulph [C.].
k'. ♂ ad. sk.	Delhi, March 25 (*C. T. Bingham*).	Hume Coll.
l', *m'*, *n'*. Ad. sk.	Etawah.	Hume Coll.
o', *p'*, *q'*. ♂ ♀ ad.	Futtehgurh district, Feb., March (*A. Anderson*).	Hume and Seebohm Colls.
r'. Ad. sk.	Nepal.	Tweeddale Coll.
s', *t'*, *u'*. Ad. sk.	Nepal.	Hodgson Coll.
v', *w'*. Ad. sk.	Nepal (*Hodgson*).	India Museum.
x'. ♂ ad. sk.	Hetoura, Nepal, Dec. 25 (*J. Scully*).	Hume Coll.
y', *z'*. Ad. sk.	Native Sikhim, March, April (*J. Mandelli*).	Hume Coll.
a Ad. sk.	Darjiling (*Col. Sharpe*).	Seebohm Coll.
b, *c*. Ad. sk.	Bootan (*Pemberton*).	India Museum.
d'. Ad sk.	Bootan Dooars, March (*J. Mandelli*).	Hume Coll.
e. *f*; *f*, *g*. ♀ ad sk	N. Khasia Hills, Feb. (*A. W. Chennell*).	Tweeddale Coll.
h. Ad sk.	Cachar (*J. Inglis*).	Hume Coll.
i. Ad sk	Dacca.	Hume Coll.
k, *l*. ♂ ♀ ad.	Calcutta, Dec. 12.	Hume Coll.
m, *n* Ad. sk.	Saugor (*Hooper*).	India Museum.
o Ad.; *p'*, *q''* Juv. sk.	Kamptee.	Dr. B. Hinde [P.].
r, *s*. ♂ juv. et *s* ad sk.	Mhow, Oct.	Col. Swinhoe [P.].
t, *u*, *v*. Ad. sk	Khandesh.	Tweeddale Coll.
w Ad sk	Deccan (*Sykes*).	India Museum.
x Ad sk.	Deccan (*Burgess*).	Gould Coll.
y, *z*, *a'* Ad. sk	Ahmednuggur district, March 23 (*S. B. Fairbank*).	Tweeddale Coll.
b' *c'* Ad sk	Madras.	Rev. H. H. Baber [P.].
d' Ad sk	Anjango, Travancore.	Hume Coll.

e^3. ♀ ad. sk.	Vellarney Lake, June 21 (*F. Bourdillon*).	Hume Coll.
f^3. Ad. sk.	Ceylon.	Seebohm Coll.
g^3, h^3. ♂ ad. sk.	Cotta, Ceylon, Dec. (*Hart*).	Hume Coll.
i^3, k^3, l^3. Ad. sk.	Ceylon (*S. Chapman*).	Tweeddale Coll.

2. Sarcogrammus atrinuchalis *.

Sarcogramma atrogularis (*nec Wagl.*), *Blyth, J. A. S. Beng.* xxxi. p. 345 (1862); *id. & Wald. B. Burm.* p. 152 (1875).

Lobianellus atronuchalis, *Jerd. B. Ind.* iii. p. 648 (1864); *Hume, Nests & Eggs Ind. B.* p. 576 (1873); *id. Str. F.* iii. p. 181 (1875: Pegu); *Anderson, Zool. Res. Exped. Yunnan, Aves*, p. 675 (1878: Bhamo: Tapeng River); *Hume & Davison, Str. F.* vi. p. 457 (1878: Tenasserim); *Hume, Str. F.* viii. p. 69 (1879: Nealys, Malacca); *id. t. c.* p. 112; *Tiraut, Bull. Com. Agric. Cochinchine*, (3) i. p. 146 (1879); *Bingham, Str. F.* ix. p. 196 (1880: Thoungyeen alley); *Kelham, Ibis*, 1881, p. 530 (Perak River); *id. Ibis*, 1882, p. 10 (Malay Peninsula); *Müller, J. f. O.* 1882, p. 434 (Salanga); *Oates, Handb. B. Brit. Burm.* ii. p. 374 (1883); *Salvad. Ann. Mus. Gen.* (2) iv. p. 613 (1887: Teimzo); *Hume, Str. F.* xi. p. 316 (1888: Manipur); *Heine & Reichen. Nomencl. Mus. Hein.* p. 334 (1890: Is. of Salanga).

Chettusia atronuchalis, *Gray, Hand-l. B.* iii. p. 11, no. 9960 (1871).

Lobivanellus indicus atronuchalis, *Seebohm, Geogr. Distr. Charadr.* p. 186 (1888).

Adult male. Similar to *S. indicus*, but easily distinguished by the shortness of the white band above the ear-coverts, which extends but a little way beyond the line of the latter, and is not continued down the sides of the neck to join the white sides of the fore-neck; the white collar round the hind-neck is also more distinct than in *S. indicus*: "bill for two-thirds of its length vermilion-red, rest of bill black; feet dirty yellow; lappets and eyelids vermilion-red; iris dark brown" (*W. Davison*). Total length 12·5 inches, culmen 1·35, wing 8·4, tail 4·3, tarsus 3·2.

Adult female. Similar to the male in plumage. Total length 13 inches, culmen 1·3, wing 8·6, tail 4·3, tarsus 3.

Young. Like the adults, but with the throat white, and all the brown feathers of the upper surface margined with sandy buff; the crown of the head also browner.

Hab. Burmese countries east to Cochin China and south to the Malayan Peninsula and Sumatra.

a, b. ♂ ♀ ad. sk.	Pegu, Dec. 25 (*R. G. W. R.*).	Tweeddale Coll.
c, d. ♂ ad. et ♀ juv. sk.	Lower Pegu (*E. W. O.*).	Oates Coll.
e. ♀ ad. sk.	Lower Pegu, Dec. (*E. W. O.*).	Hume Coll.
f. Juv. sk.	Thayetmyo, Sept. (*R. G. W. R.*).	Tweeddale Coll.
g. Ad. sk.	Yaytho, June 10 (*R. G. W. R.*).	Tweeddale Coll.
h–l. ♂ ad. et juv. sk.	Tonghoo (*R. G. W. R.*).	Tweeddale Coll.

* The name is badly chosen as a distinctive one for separating the Burmese species from the Indian, as the latter is equally 'black-naped.'

m, *n*. ♂ ad. sk.	Karen-nee, March 20 (*R. G W. R.*).	Tweeddale Coll.
o, *p*. Ad. sk.	Tapeng River, Feb.	Dr. Anderson [C.].
q. ♂; *r*, *s*. ♀ ad. sk.	Thatone, Dec., Jan. (*W. Davison*).	Hume Coll.
t. ♀ juv. sk.	Kaukaryit, March 24 (*W. D.*).	Hume Coll.
u, *v*. ♂; *w*, *x*, *y*. ♀ ad. sk.	Pakchan, Jan. (*W. D.*).	Hume Coll.
z, *a'*, *b'*, ♂; *c'*, *d'*, *e'*. ♀ ad. sk.	Bankasoon, Dec. to March (*W. D.*).	Hume Coll.
f'. ♀ ad. sk.	Kossoum, May 8 (*J. Darling*).	Hume Coll.
g', *h'*, *i'*. ♂ ad. sk.	Salang, Feb., March (*J. D.*).	Hume Coll.
k'. ♂ ad. sk.	Tapraw, April 18 (*J. D.*).	Hume Coll.
l', *m'*. ♀ ad. sk.	Assoon, Nov. 21 (*W. D.*).	Hume Coll.
n'. ♂ ad. sk.	Karope, March 25 (*W. D.*).	Hume Coll.
o', *p'*. ♀ ad. sk.	Amherst, Dec. to March (*W. D.*).	Hume Coll.
q'. ♂; *r'*. ♀ ad. sk.	Amherst-Mergui, March (*W. D.*).	Hume Coll.
s'. ♂ ad. sk.	Mergui, Nov. (*W. D.*).	Hume Coll.
t', *u'*. ♂ ♀ ad. sk.	Hego, Houngthraw River, Jan. 2 (*W. D.*).	Hume Coll.
v'. ♂ ad. sk.	Needong, Attaran River, Feb. 9 (*W. D.*).	Hume Coll.
w'. ♀ ad. sk.	Bopyin, Tenasserim, Dec. 10 (*W. D.*).	Hume Coll.
x', *y'*, *z'*. ♀ ad. sk.	Pabyouk, March (*W. D.*).	Hume Coll.
a, *b*. ♂ ♀ ad. sk.	Kyouk Phyoon, Dec., March (*W. D.*).	Hume Coll.
c, *d*. ♂ ♀ ad. sk.	Thammoto, Nov. 13 (*W. D.*).	Hume Coll.
e. ♂ ad. sk.	Yea, March 26 (*W. D.*).	Hume Coll.
f. ♀ ad. sk.	Tenasserim Town, Nov. 25 (*W. D.*).	Hume Coll.
g. ♂ ad. sk.	Malacca, Oct. 19 (*W. D.*).	Hume Coll.
h. ♀ Ad. sk.	Malacca, July (*W. D.*).	Hume Coll.
i. Ad. sk.	Malacca (*R. G. W. R.*).	Tweeddale Coll.
j. Ad. sk.	Malacca (*Dr. Cantor*).	India Museum.
k. Ad. sk.	Sumatra.	Wallace Coll.
l. ♂ Ad. et imm. sk.	Saigon, Cochin China.	M. E. Pierre [P.].

14. TYLIBYX.

	Type.
Tylibyx, *Reichenb. Av. Syst. Nat.* p. xviii (1852).	T. melanocephalus.

Range. Mountains of N.E. Africa.

1. Tylibyx melanocephalus.

Lybius melanocephalus, *Rupp. Syst. Uebers.* p. 115, pl. 44 (1845: Mountains of Simeen, Abyssinia); *Heugl. Syst. Uebers.* p. 75 (1856: Highlands of Abyssinia); *Blanf. Geol. & Zool. Abyss.* p. 430 (1870: Dalanta and Wadela Plateaux, above 10,000 feet); *Finsch, Trans. Zool. Soc.* vii. p. 328 (1870); *Heugl. Orn. N.O.-Afr.* ii. pt. 1. p. 1003 (1873: Highlands of Semien, Tablelands of C. and S. Abyssinia from 9000–12,000 feet, Woyara, Begemeder, Zebid, Talanta, Lasta, south to Gala-land and the

Shoa district); *Salvad. Ann. Mus. Gen.* (2) i. p. 219 (1884: Tuor-Hamesh, Shoa); *Seebohm, Geogr. Distr. Charadr.* p. 194 (1888).

Chettusia melanocephala, *Gray, Gen. B.* iii. p. 541 (1847); *id. Hand-l. B.* iii. p. 12, no. 9967 (1871).

Tylibyx melanocephala, *Reichenb. Grall.* p. xviii, tab. ccxcix. fig. 2433 (1852); *Bp. C. R.* xliii. p. 419 (1856).

Vanellus melanocephalus, *Giebel, Thes. Orn.* iii. p. 745 (1877).

Adult. General colour above brown, with a lilac gloss; the lower back dusky brown; wing-coverts like the back, the median series tipped with white, the greater coverts pure white, the innermost like the median coverts, brown with white tips; bastard-wing, primary-coverts, and quills black; the secondaries with white bases, extending gradually more on the inner web towards the inner secondaries, which are entirely white; innermost secondaries brown, the outer ones with a broad white margin; upper tail-coverts and tail white; the terminal band black, with again a narrow white tip, the black band decreasing in width towards the outer feathers, where it becomes very narrow; crown of head and nape black; lores, sides of face, ear-coverts, cheeks, and sides of neck ashy brown, more ashy above the eye; throat black; breast and under surface of body, as well as the under tail-coverts, under wing-coverts, and axillaries pure white; the fore-neck spotted with black; quill-lining black, with the extreme base of the primaries white, and the same pattern of white and black on the secondaries as on the upper surface: "bill black, the base of the mandible yellow; feet citron-yellow; iris umber-grey" (*von Heuglin*). Total length 11·5 inches, culmen 1, wing 9·1, tail 3·4, tarsus 2·45.

Hab. Mountains of N.E. Africa.

a, b. Ad. sk.	Shoa (*Sir W. C. Harris*).	India Museum.
c. Ad. st.	Shoa.	Dr. Rüppell [C.].
d. Ad. sk.	Abyssinia.	Gould Coll.

15. ZONIFER*.

Range. Confined to Australia.

1. Zonifer tricolor.

Charadrius tricolor, *Vieill. N. Dict. d'Hist. Nat.* xxvii. p. 147 (1818: Australia).

Charadrius pectoralis, *Wagl. Syst. Av.*, Charadrius, p. 58, sp. 8 (1827: *ex Cuv. in Mus. Paris*); *Less. Traité d'Orn.* p. 545 (1831).

Sarciophorus tricolor (*V.*), *Strickl. P. Z. S.* 1841, p. 33; *Cass. U.S. Expl. Exped., Birds*, p. 328 (1858).

Sarciophorus pectoralis, *Gould, B. Austr.* vi. pl. 11 (1842); *Gray, List Grall. Brit. Mus.* p. 66 (1844: S. Australia); *Blyth, Cat. B. Mus. As. Soc.* p. 260 (1849: New South Wales); *Reichenb. Grall.* tab. cii. figs. 1051–52 (1850); *Bp. C. R.* xliii. p. 418 (1856); *Gould, Handb. B. Austr.* ii. p. 222 (1865); *Ramsay, Ibis*, 1867, p. 420, pl. ix. fig. 3; *Harting, P. Z. S.* 1874, p. 458; *Ramsay, P. Z. S.* 1877, p. 336 (N.E. Queensland); *id. Proc. Linn.*

* ζώνη, band; φέρω, I carry.

Soc. N. S. W. i. p. 187 (1877 : N.S.W., Victoria, and S. Australia, Tasmania) ; *id. t. c.* p. 217 ; *id. op. cit.* ii. p. 197 (1878 : Rockingham Bay ; Port Denison ; Wide Bay distr. ; Richmond and Clarence Rivers) ; *North, Proc. Linn. Soc. N. S. W.* (2) i. p. 1173 (1887) ; *Ramsay, Tab. List Austr. B.* p. 19 (1888 : Interior ; Victoria ; S. Australia ; W. & S.W. Australia) ; *North, Nests & Eggs Austr. B.* p. 382, pl. xvii. fig. 6 (1889) ; *id. Proc. Linn. Soc. N. S. W.* (2) iii. p. 1778 (1889) ; *Cox & Hamilton, op. cit.* (2) iv. p. 419 (1890 : Mudgee distr.) ; *Legge, Proc. Austr. Assoc.* 1892, p. 43.

Hoplopterus tricolor (*V.*), *Gray, Gen. B.* iii. p. 542 (1847).

Charadrius vanelloides, *Peale, U.S. Expl. Exped. Zool.* p. 240 (1848 : Argyle, N.S.W.).

Lobivanellus pectoralis, *Schl. Mus. Pays-Bas*, Cursores, p. 65 (1865 : Port Essington ; Tasmania) ; *Seebohm, Geogr. Distr. Charadr.* p. 200 (1888).

Hoplopterus pectoralis, *Gray, Hand-l. B.* iii. p. 13, no. 9976 (1871).

Chettusia (Lobivanellus) pectoralis, *Finsch, Proc. Acad. Philad.* 1872, p. 32 (Australia).

Adult. General colour above brown, glossed with purplish bronze ; wing-coverts like the back, the median series tipped with white, before which is a sub-marginal bar of black ; the greater coverts pure white, with a little brown at the base ; bastard-wing, primary-coverts, and quills black, the primaries white at the extreme base ; secondaries black, white at the base, the white gradually increasing towards the inner secondaries, which become white with an oblique terminal mark of black, and finally the inner ones are pure white ; the innermost brown like the back, but with a white margin, preceded by a sub-marginal black line near the end of the outer web ; lower back and rump dusky brown, duller than the back ; sides of rump and upper tail-coverts pure white ; basal half of tail white, the terminal half black with a white tip, the black band decreasing in width towards the outer feathers ; crown of head and nape glossy blue-black ; the hind-neck and upper mantle lighter and more ashy-brown than the back ; behind the eye a broad streak of white ; cheeks and entire throat white, encircled by a broad band of black, which extends from the base of the bill, below the eye, and across the ear-coverts down the sides of the neck on to the fore-neck and breast, where it widens and forms a very broad pectoral band ; remainder of under surface of body, including the under wing-coverts and axillaries, pure white : "tip of upper mandible horn-colour ; the remainder of the bill beautiful primrose-yellow ; naked parts of the thigh and knees dark pink ; tarsi and toes blackish brown, the latter inclining to pink-red ; iris yellow, surrounded by a rim of deep primrose extending in an oblique direction to the fleshy protuberance at the base of the upper mandible, which is blood-red in the male, much lighter or flesh-red in the female" (*J. Gould*). Total length 10·5 inches, culmen 1·05, wing 7·4, tail 3·2, tarsus 1·9.

Nestling. Sandy brown with black markings ; a white collar round the hind-neck ; under surface white, with a broad black collar on the breast.

Hab. Australia and Tasmania.

a. ♀ ad. sk.	Hamilton Plains, Tasmania, April.	Hume Coll.
b. ♂ ad. sk.	South Australia.	Sir George Grey [P.].
c. Juv. sk.	South Australia.	Gould Coll.
d, *e*. Ad. sk.	Queensland.	Tweeddale Coll.
f, *g*. Ad. sk.	Queensland (*J. T. Cockerell*).	Salvin-Godman Coll.
h. Pull. sk.	Bred in captivity.	Lord Lilford [P.].

16. ANOMALOPHRYS.

Range. Western Africa, east to Lake Tanganyika.

1. Anomalophrys superciliosus.

Lobivanellus superciliosus, *Reichen. J. f. O.* 1886, p. 116, pl. iii. fig. 2, imm. (Marungu); *Matschie, J. f. O.* 1887, p. 136 (Karema), p. 144 (Marungu); *Reichen. J. f. O.* 1890, p. 107 (Cameroons); *Shelley, Ibis*, 1890, p. 169; *Sharpe in Jameson's Story of the Rear Column*, App. p. 405 (1890: Stanley Pool); *Reichen. J. f. O.* 1891, p. 372 (Togo-land).

Sarciophorus superciliosus, *Shelley, Ibis*, 1887, p. 418 (Rio del Rey).

Adult male. General colour above dark olive-brown; the lesser and median wing-coverts like the back; greater coverts light ashy brown, white at the ends, forming a broad wing-band; bastard-wing, primary-coverts, and quills black, the primaries white at the extreme base; secondaries white, with an oblique black mark at the end, forming a band which increases in breadth towards the primaries, the outer ones being black with white bases, the innermost secondaries olive-brown like the back, the proximal ones white, ashy brown on the inner web; upper tail-coverts and basal two-thirds of tail white, with a broad black band at the end increasing in width towards the outer feathers, which are tipped with white, the external one entirely white with a black sub-terminal spot on the inner web; crown of head black as well as the nape; lores and forehead pale rufous; sides of face, ear-coverts, and sides of neck grey, this colour extending round the hind-neck; throat also grey, whiter in the centre; the fore-neck dark maroon, forming a collar; remainder of under surface, from the fore-neck downwards, pure white, including the under wing-coverts and axillaries: "iris yellow" (*Büttner*). Total length 10·5 inches, culmen 0·85, wing 7·6, tail 3·1, tarsus 2·1.

Young. Differs from the adult in having the feathers of the upper surface margined with rusty, the cap only dusky brown, with a broad frontal band; a broad eyebrow, as well as the lores, rust-coloured, the patch on the fore-neck much smaller and of a rusty colour instead of maroon: "bill black, the base slightly reddish; eye-ring and loral lappet dusky yellow; feet dull rose-red; iris clear brown" (*R. Böhm*).

Hab. West Africa, from Togo-land to the Congo, and east to Lake Tanganyika.

a, *b*. ♂ ad. sk.	Rio del Rey, Cameroons.	H. H. Johnston, Esq., C.B. [P.].
c. ♀ juv. sk.	Stanley Pool, R. Congo (*J. S. Jameson*).	Mrs. J. S. Jameson [P.].

17. HOPLOPTERUS.

Type.

Hoplopterus, *Bp. Saggio Distr. Met. Anim. Vertebr.* p. 56 (1831) ..... H. spinosus.

Range. S.E. Europe; N.E. and E. Africa; W. Africa from Senegambia to the Congo. Indian Peninsula and Burmese countries to Cochin China and Hainan.

Key to the Species.

a Crown of head black from forehead to nape; back brown or ashy brown.
  a. Throat and entire breast black ..... *spinosus*, p. 157.
  b. Throat black; chest light brown; breast and abdomen white, with a black patch in the centre ..... *ventralis*, p. 159.
b. Crown of head white; hinder crown and nape black like the sides of the face, throat, and breast; wings dove-grey; centre of back and lower scapulars black ..... *speciosus*, p. 161.

1. Hoplopterus spinosus.

The Black-breasted Indian Plover, *Edwards, Nat. Hist.* i. p. 47, pl. 47 (1743: Persia).

The Spur-winged Plover, *Edwards, Gleanings Nat. Hist.* ii. p. 146, pl. 280. fig. 2 (1760): Aleppo).

Le Pluvier huppé de Perse, *Briss. Orn.* v. p. 84 (1760: Persia).

Charadrius spinosus, *Linn. Syst. Nat.* i. p. 256 (1766); *Gm. Syst. Nat.* i. p. 690 (1788); *Wagl. Syst. Av.*, Charadrius, sp. 10, p. 58 (1827); *Less. Traité d'Orn.* p. 545 (1831); *Temm. Man. d'Orn.* 2nd ed. iv. p. 353 (1840); *Nordm. in Demid. Voy. Russ. Mérid.* iii. p. 232 (1843: Odessa); *Schl. Rev. Crit.* p. lxxxiv (1844).

Pluvier armé du Sénégal, *D'Aubent. Pl. Enl.* ix. pl. 801.

Le Pluvier huppé, *Buff. Hist. Nat. Ois.* viii. p. 98 (1781).

Le Pluvier à aigrette, *Buff. t. c.* p. 99.

Spur-winged Plover, *Lath. Gen. Syn.* iii. pt. 1, p. 213 (1785).

Spur-winged Plover, var. A, *Lath. t. c.* p. 214.

Charadrius persicus, *Bonn. Enc. Méth.* i. p. 21 (1790).

Charadrius senegalensis (*nec* L.), *Steph. in Shaw's Gen. Zool.* xi. p. 482 (1819).

Charadrius cristatus (*nec Meyer*), *Steph. t. c.* p. 483.

Hoplopterus spinosus, *Bp. Saggio Distrib. Met. Anim. Vertebr.* p. 56 (1831); *id. Comp. List B. Eur. & N. Amer.* p. 46 (1838); *Keys & Blas. Wirb. Eur.* pp. lxix, 207 (1840); *Gray, List Grall. Brit. Mus.* p. 61 (1844: Egypt; Gambia); *Muhle, Beitr. Orn. Griechenl.* p. 104 (1844); *Rupp. Syst. Uebers.* p. 117 (1845); *Sel. Contr. Orn.* 1852, p. 126 (Red Sea); *Hartl. J. f. O.* 1854, p. 216 (Senegambia); *Licht. Nomenel. Av. Mus. Berol.* p. 85 (1854); *Heugl. Syst. Uebers.* p. 55 (1856); *Bp. C. R.* xliii. p. 418 (1856); *Hartl. Orn. W.-Afr.* p. 214 (1857: Guinea; Casamanse); *Tristr. Ibis*, 1859, p. 98 (R. Jordan); *Taylor, t. c.* p. 51 (Egypt); *Linderm. Vog. Griechenl.* p. 132 (1860); *Hartl. J. f. O.* 1861, p. 268 (Bissao); *Stafford Allen, Ibis*, 1863, p. 150 (Egypt); *Antin. Cat. descr. Uce.* p. 97 (1864: Egyptian Delta); *Adams, Ibis*, 1864, p. 20 (Nubia); *Stafford Allen, t. c.* p. 240; *Taylor, Ibis*, 1867, p. 68 (Egypt); *Irgl. et Gerbe, Orn. Eur.* ii. p. 142 (1867); *Tristr. Ibis*, 1868,

p. 324 (Palestine, breeding); *Wright, Ibis*, 1869, p. 246 (Malta, Oct.); *Blanf. Geol. & Zool. Abyss.* p. 431 (1870: Lake Ashangi; Ailat); *Finsch, Trans. Zool. Soc.* vii. p. 295 (1870: R. Amba); *Gray, Hand-l. B.* iii. p. 12, no. 9969 (1871); *Shelley, B. Egypt*, p. 232 (1872); *Heugl. Orn. N.O.-Afr.* ii. Abth. i. p. 1004 (1873), App. p. clxxx, pl. xli. fig. 10 (Egypt; Nubia; Atbara R; Lower White and Blue Nile; E. Kordofan; Abyssinian lowlands and Red Sea coast; Djur River); *Harting, P. Z. S.* 1874, p. 456; *Krüper, J. f. O.* 1875, p. 283 (Smyrna); *Blanf. East. Persia*, ii. p. 281 (1876); *Dresser, B. Eur.* vii. p. 539, pl. 530 (1878); *Fischer & Reichen. J. f. O.* 1879, p. 337 (Tschara); *Müller, t. c.* p. 391 (Cyprus); *Gigl. Ann. Agric.* 1881, no. 36, p. 118 (Dalmatia); *id. Ibis*, 1881, p. 184 (Malta); *Salvin, Cat. Strickl. Coll.* p. 601 (1882: Kordofan); *W. A. Forbes, Ibis*, 1883, p. 535 (R. Niger); *Tristr. Faun. & Flor. Palest.* p. 131 (1884); *Sharpe, Journ. Linn. Soc., Zool.* xvii. p. 441 (1884: Gazelle R.); *Salvad. Ann. Mus. Gen.* (2) i. p. 219 (1884: Lake Cialalakā), p. 274 (Lake Ota); *Fischer, J. f. O.* 1885, p. 116 (Kipini; Barawa); *Hartert, J. f. O.* 1886, p. 609 (Madschisari; Kaura; Kaschia); *Hartl. Zool. Jahrb.* ii. p. 332 (1886); *Gigl. Avif. Ital.* p. 376 (1886); *Salvad. Elenco Ucc. Ital.* p. 207 (1886: Malta); *Reichen. J. f. O.* 1887, p. 47 (Kagehi); *Hartert, t. c.* p. 264; *Salvad. Ann. Mus. Genov.* (2) vi. p. 310 (1888: Cialalakā); *Shelley, P. Z. S.* 1888, p. 49 (Lado); *id. Ibis*, 1888, p. 305 (Jipi); *Gigl. 1st Resoc. Avif. Ital.* p. 576 (1889); *Guillem. Ibis*, 1889, p. 214; *Lilford, t. c.* p. 338 (Cyprus); *Oust. Bibl. Ecole Hautes Etudes*, xxxi. Art. 10, p. 12 (1889: Somali); *Heine & Reichen. Nomencl. Mus. Hein.* p. 335 (1890); *Brusina, Motr. etc.* (*Orn. Croat.*) p. 86 (1890); *id. Orn. Jahrb.* Heft i. p. 26 (1890: S. Dalmatia; Montenegro); *id. Proc. Soc. Hist. Nat. Croat.* 1891, p. 22; *Rendall, Ibis*, 1892, p. 229 (Gambia); *Scl. Ibis*, 1893, p. 277.

Vanellus melasomus, *Swains. B. W. Afr.* ii. p. 237, pl. 26 (1837).

Pluvianus spinosus, *Gould, B. Eur.* iv. pl. 293 (1837).

Philomachus spinosus, *Gray, List Gen. B.* p. 65 (1840).

Hoplopterus persicus, *Gray, Gen. B.* iii. p. 542 (1847); *Strickl. P. Z. S.* 1850, p. 221 (Kordofan); *id. Ann. & Mag. N. H.* (2) ix. p. 348 (1852).

Hoplopterus armatus (*nec Jard. & Selby*), *Brehm, Vogelf.* p. 284 (1855: S. Russia; Egypt).

Vanellus spinosus, *Schl. Mus. Pays-Bas*, Cursores, p. 60 (1865: Egypt; Senaar; Abyssinia; Kordofan; Gold Coast; Nubia); *Seebohm, Geogr. Distr. Charadr.* p. 219 (1888); *Reichen. Vög. Deutsch.-Ost-Afrika's*, p. 36 (1894: Masai-land; Victoria Nyanza).

Adult male. General colour above brown, with a slight purplish gloss; scapulars like the back, the feathers elongated and somewhat pointed; the lower back rather darker brown; wing-coverts lighter and more ashy, the outer median coverts white at the ends, and the greater coverts white for the most part, the innermost of both series ashy brown; bastard-wing, primary-coverts, and quills black, the secondaries with white bases and black tips, the white increasing on the inner ones, the innermost secondaries brown like the back; upper tail-coverts and base of tail white; terminal half of the tail black, the outer feathers tipped with white and the black decreasing in extent; crown of head glossy purplish black, with a nuchal crest; sides of face, including the lower eyelid, white, as also the

sides of the neck and a collar round the hind-neck descending on the sides of the fore-neck; throat, centre of fore-neck, and entire breast black, descending on to the sides of the flanks; sides of body, abdomen, under tail-coverts, under wing-coverts, and axillaries pure white; quill-lining black: bill and feet black; iris scarlet or crimson. Total length 12 inches, culmen 1·25, wing 8·2, tail 3·9, tarsus 2·85.

Hab. S.E. Europe; Palestine; N.E. Africa to Masai-land and the Tana district, as far as Mamboio; West Africa from Senegambia to the Niger.

a. Juv. sk.	Island of Milo, Crete, Grecian Archipelago.	Gould Coll.
b. Ad. sk.	Sea of Galilee, Palestine.	Canon Tristram [C.].
c, *d*. Ad. st.	Egypt.	Sir J. Bowring [P.].
e. Ad. sk.	Egypt.	G. Turnbull, Esq. [P.].
f, *g*. Ad. sk.	Egypt, Feb., March (*G. E. Shelley*).	Seebohm Coll.
h. ♂ ad. sk.	Lower Egypt (*Stafford Allen*).	Seebohm Coll.
i, *k*. ♂ ♀ ad. sk.	Upper Egypt (*H. Rogers*).	Seebohm Coll.
l, *m*. Ad. sk.	Cairo.	Capt. R. H. Penton [P.].
n. Ad. sk.	Assiout.	Tweeddale Coll.
o ♂ ad. sk.	Lake Ashangi, Abyssinia, May.	W. T. Blanford, Esq. [P.].
p. ♀ ad. sk.	Ailat, Samhar, June 20.	W. T. Blanford, Esq. [C.].
q. ♀ ad. sk.	Amba, Aug. 21 (*W. Jesse*).	Tweeddale Coll.
r ♂ ad. sk.	Cialalaka, Shoa, May 28.	Turin Museum [E.].
s ♀ ad. sk.	Lado, Equatorial Africa, Oct. 10.	Emin Pasha [P.].
t. ♀ ad. sk.	Lake Jipi, Aug.	F. J. Jackson, Esq. [P.].
u, *v*. Ad. sk.	Mamboio (*Sir J. Kirk*).	Seebohm Coll.
w Ad. sk.	Gazelle River.	F. Bohndorff [C.].
x. Ad. sk.	Gambia.	Old Coll.
y Ad. sk	Dakar, Senegal, Jan. (*L. Laglaise*).	Tweeddale Coll.
z Ad. sk.	Dakar, Senegal, Jan. (*L. Laglaise*).	Seebohm Coll.
a Skeleton.		Purchased.

2. Hoplopterus ventralis.

Pluvier armé du Sénégal, *Briss. Orn.* v. p. 86, pl. vii. fig. 2 (1760).

Charadrius ventralis, *Wagl. Syst. Av.*, Charadrius, p. 59, sp. 11 (1827); *Gray & Hardw. Illustr. Ind. Zool.* i. pl. 63 (1832).

Charadrius duvaucelii, *Less. Man. d'Orn.* ii. p. 353 (1828: Calcutta); *id. Traité*, p. 545 (1831); *id. Compl. Buff., Ois.* iii. p. 408 (1837).

Charadrius bicolor, *Temm. Pl. Col.* v. livr. 89 (1832: Bengal).

Philomachus ventralis vel spinosus, *Hodgs. Icon. ined. in Brit. Mus., Grall.* pl. 48. no. 227; *id. in Gray's Zool. Misc.* p. 86 (1844).

Hoplopterus ventralis, *Gray, List Grall. Brit. Mus.* p. 64 (1844: Nepal); *id. Cat. Mamm. etc. Nepal pres. Hodgs.* p. 132 (1846); *Blyth, Cat. B. Mus. As. Soc.* p. 200 (1849: Dehra Dhoon); *Reichenb. Grall.* tab. cexcix. figs. 2428–29 (1852); *Bp. C. R.*

xliii. p. 418 (1856); *Irby*, *Ibis*, 1861, p. 237 (Oudh); *Jerd. B. Ind.* iii. p. 650 (1864); *Swinh. Ibis*, 1870, p. 361 (Hainan); *Blanf. t. c.* p. 470 (Pegu; Ava); *Swinh. P. Z. S.* 1871, p. 403 (Hainan); *Gray, Hand-l. B.* iii. p. 12, no. 9970 (1871); *Hume, Nests & Eggs Ind. B.* p. 578 (1873); *id. Str. F.* ii. p. 482 (1874: Tenasserim); *Harting, P. Z. S.* 1874, p. 455, pl. lx. fig. 3 (egg); *Hume, Str. F.* iii. p. 181 (1875: Pegu); *Blyth & Wald. B. Burm.* p. 153 (1875: Tonghoo; Karen-nee); *Ball, Str. F.* iv. p. 234 (1876: Sambalpur); *Hume, Str. F.* v. p. 46 (1877: N.E. Cachar); *David et Oust. Ois. Chine*, p. 423 (1877: Cochin China; Hainan); *Hume & Davison, Str. F.* vi. p. 457 (1878: Tenasserim); *Ball, Str. F.* vii. p. 227 (1878: Ganges to Godavery); *Cripps, t. c.* p. 300 (Faridpur); *Hume, t. c.* p. 483 (Calcutta); *Anders. Zool. Res. West. Yunan Exped.* p. 675 (1878: Tsitkaw; Maungla); *Tiraut, Bull. Com. Agric. Cochinchine*, (3) i. p. 146 (1879); *Hume, Str. F.* viii. p. 112 (1879); *Scully, t. c.* p. 352 (Nepal Valley, breeding); *Bingham, Str. F.* ix. p. 197 (1880: Thoungyeen Valley); *Oates, Str. F.* x. p. 238 (1882); *id. Handb. B. Brit. Burm.* ii. p. 373 (1883); *Swinhoe & Barnes, Ibis*, 1885, p. 133 (Mhow District); *Salvad. Ann. Mus. Genov.* (2) iv. p. 613 (1887: Bhamo), v. p. 62 (1888: Kaukaryit); *Hume, Str. F.* xi. p. 316 (1888: Manipur); *Oates, ed. Hume's Nests & Eggs Ind. B.* iii. p. 347 (1890).

Hoplopterus spinosus (*nec Linn.*), *Gray, Gen. B.* iii. p. 542 (1847).

Vanellus ventralis, *Schl. Mus. Pays-Bas*, Cursores, p. 61 (1865: Nepal); *Seebohm, Geogr. Distr. Charadr.* p. 227 (1888).

Hoplopterus malabaricus (*nec Bodd.*), *Blanf. J. A. S. Beng.* xl. p. 276 (1871: Wardha Valley).

Adult male. General colour above light brown; lower back and rump more dusky brown; upper tail-coverts and tail pure white, the latter black for the terminal third, forming a broad black band; scapulars and all the inner wing-coverts light brown, like the back; the outer median and greater coverts pure white, the outer lesser coverts black, forming a large wing-patch; bastard-wing and primary-coverts black, with the extreme base white; quills black, white at the bases, increasing gradually on the secondaries until they are entirely white, excepting a black tip, the succeeding inner secondaries pure white, the innermost light ashy brown like the back; crown of head and nape black, the nape-feathers long and narrowing to a point; hind neck and sides of neck pale ashy grey, extending over the sides of the neck and on to the ear-coverts, this grey colour separated from the black crown by a narrow band of white, extending from behind the eye round the nape; lores and fore part of face to about the middle line of the eye black, succeeded by white, which extends downwards and skirts the black throat to the sides of the neck; entire throat black; the lower throat white, connected with the white of the sides of the neck; fore-neck light brown, forming a band; remainder of under surface of body pure white, except for a crescentic band of black on the lower breast; axillaries and under wing-coverts white. Total length 11·5 inches, culmen 1·35, wing 7·6, tail 3·35, tarsus 2·5.

Adult female. Similar in plumage to the male. Total length 12·5 inches, culmen 1·2, wing 7·6, tail 3·1, tarsus 2·45.

Hab. From North-western and Central India to the Burmese countries and Siam, and as far east as Hainan.

a. Ad. sk.	Dehra Dhoon.	Tweeddale Coll.
b. ♀ ad. sk.	Gurhwal, May 25 (*G. King*).	Hume Coll.
c. Ad. sk.	Kumaon.	Tweeddale Coll.
d g. Ad. sk.	Etawah, Dec. to March.	Hume Coll.
h. ♂ ad. sk.	Futtehgur, Dec. (*A. Anderson*).	Seebohm Coll.
i, k. ♂ ♀ ad. sk.	Futtehgur, April, Sept. (*A. Anderson*).	Hume Coll.
l, m. Ad. sk.	Saugor.	Hume Coll.
n p. Ad. sk.	Dinapur.	Pinwill Coll.
q. Ad. sk.	Behar.	Hodgson Coll.
r–u. Ad. sk.	Nepal.	Hodgson Coll.
v, w. Ad. sk.	Nepal (*B. H. Hodgson*).	India Museum.
x. Ad. sk.	Nepal.	Tweeddale Coll.
y, z. Ad. sk.	Nepal Valley, May, Dec. (*J. Scully*).	Hume Coll.
a' c'. Ad. sk.	Sikhim, Feb., March (*L. Mandelli*).	Hume Coll.
d'. Ad. sk.	Bhotan Doars, Jan. (*L. M.*).	Hume Coll.
e. Ad. sk.	Siligoree, Bengal, April 11 (*H. J. Elwes*).	Seebohm Coll.
f. ♀ ad. sk.	Kamroop, Assam, Feb. (*A. W. Chennell*).	Tweeddale Coll.
g. Ad. sk.	Assam (*McClelland*).	India Museum.
h. ♂ ad. sk.	Logtak Lake, Manipur, March 18 (*A. O. H.*).	Hume Coll.
i, k. Ad. sk.	Tonghoo, Burma, Jan. (*R. G. W. R.*).	Tweeddale Coll.
l. ♀ ad. sk.	Shuay-g-yeen, Jan. (*R. G. W. R.*).	Tweeddale Coll.
m. ♂ ad. sk.	Sittang River, Sept. 30 (*R. G. W. R.*).	Tweeddale Coll.
n. ♂ ad. sk.	Karen-nee, March 17 (*R. G. W. R.*).	Tweeddale Coll.
o. Ad. sk.	Tsitkau, Upper Burma, Feb. 6.	Dr. J. Anderson [C.].
p. ♂ ad. sk.	Houngthraw River, Tenasserim, Dec. 20 (*W. Limborg*).	Tweeddale Coll.
q Ad. sk.	Younzaleen Creek, Feb. (*W. Davison*).	Hume Coll.
r, s'. ♂ ad. sk.	Kaukaryit, Oct., Nov. (*J. Darling*).	Hume Coll.
t. ♂ ad. sk.	Thatone, Jan. 15 (*W. Davison*).	Hume Coll.
u ♂ ad. sk.	Myawadee, Jan. 20 (*W. D.*).	Hume Coll.
v ♂ ad. sk.	Megaloon, Jan. (*W. D.*).	Hume Coll.
w, x'. ♂ ♀ ad. sk.	Epo, Jan. 25 (*W. D.*).	Hume Coll.
y'. ♂ ad. sk.	Pakchan, Jan. 20 (*W. D.*).	Hume Coll.
z Ad. sk.	Siam.	M. E. Pierre [P.].
a ♂ ad. sk.	Hainan, March (*R. Swinhoe*).	Seebohm Coll.
b Bones of trunk.		Hodgson Coll.

3. Hoplopterus speciosus.

Charadrius speciosus, *Wagl. Isis*, 1829, p. 649 (ex *Licht. in Mus. Berol.*; Caffraria).

Charadrius albiceps (*nec Gould*), *Temm. Pl. Col.* v. pl. 526 (1832: S. Africa).

Pluvianus armatus, *Jard. & Selby, Ill. Orn.* i. pl. 54 (1828: S. Africa).

Hoplopterus armatus, *Gray, List Grall. Brit. Mus.* p. 64 (1844: S. Africa); *id. Gen. B.* iii. p. 542 (1847); *Licht. Nomencl. Av. Mus. Berol.* p. 95 (1854: Caffraria); *Layard, B. S. Afr.* p. 293 (1867: Colesberg); *Gurney, Ibis*, 1868, pp. 255, 468 (Potchefstroom); *Ayres, Ibis*, 1869, p. 299 (Transvaal, breeding); *Buckley, Ibis*, 1874, p. 387 (Transvaal to Matabele); *Barrett, Ibis*, 1876, p. 212 (Potchefstroom).

Hoplopterus speciosus, *Gray, Gen. B.* iii. p. 542 (1847); *Finsch & Hartl. Vög. Ostafr.* p. 639 (1870); *Gray, Hand-l. B.* iii. p. 12, no. 9971 (1871); *Gurney in Anderss. B. Dam. Ld.* p. 267 (1872: Damara to Great Namaqua Land; Lake Ngami; Teoughe and Okavango Rivers); *Bocage, J.f. O.* 1876, p. 296 (Rio Coroca; Huilla); *id. Orn. Angola*, p. 427 (1881: Rio Cunene; Humbe; Benguela); *Sharpe, in Oates' Matabele-Land*, App. B, p. 325 (1881: Sashe River); *Shelley, Ibis*, 1882, p. 363 (Great Chine Pan); *Holub & Pelz. Beitr. Orn. Südafr.* p. 239 (1882: Matabele; Transvaal; Hart's R.); *Sharpe, ed. Layard's B. S. Afr.* p. 667 (1884); *Fischer, Zeitschr. ges. Orn.* i. p. 391 (1884: Paré; Naiwascha Lake); *Böhm, J. f. O.* 1885, p. 72 (Tanganyika); *Fischer, t. c.* p. 116 (Sigirari); *Reichen. J. f. O.* 1887, p. 47 (Soboro); *Matschie, t. c.* p. 138 (Karema); *Emin, J. f. O.* 1891, p. 58 (Ugogo); *Reichen. t. c.* p. 141 (Mette Mette, Uniamuesi).

Vanellus speciosus, *Schl. Mus. Pays-Bas*, Cursores, p. 62 (1865: Caffraria); *Seebohm, Geogr. Distr. Charadr.* p. 221 (1888); *Shelley, P. Z. S.* 1889, p. 372 (Kilimanjaro); *id. Ibis*, 1894, p. 475 (Lake Shirwa); *Reichen. Vög. Deutsch.-Ost-Afr.* p. 36 (1894).

Charadrius armatus, *Chapman, Trav. S. Afr.* ii. App. p. 415 (1865: Lake Ngami).

Lobivanellus albiceps (*nec Gould*), *Shelley, Ibis*, 1894, p. 26 (Nyasaland).

Adult male. General colour above grey and black; the mantle, back, scapulars, and parapteral plumes black; the upper scapulars and the whole of the wing-coverts lavender-grey, the greater wing-coverts with white ends, the outer ones blackish on the inner webs; bastard-wing, primary-coverts, and quills black, the secondaries with white bases, increasing in extent towards the innermost, which are lavender-grey like the wing-coverts; rump, upper tail-coverts, and base of tail pure white; the end of the tail black, decreasing in extent towards the outer feathers, which have a narrow white tip; crown of head pure white, succeeded by a broad black band, which occupies the occiput and nape, joins the black sides of the face, and separates the white crown from a broad white collar round the hind-neck; lores and sides of face, passing in a narrow line above the eye, as well as the sides of the neck and entire throat and breast, black; abdomen, sides of body, and under tail-coverts, under wing-coverts, and axillaries pure white; quill-lining black: "bill, feet, and toes black; iris red" (*C. J. Andersson*). Total length 11 inches, culmen 1·1, wing 8·1, tail 3·3, tarsus 2·9.

Hab. S.E. Africa from Natal to Damara-land and the Zambesi, north to Uniamuesi.

a. ♀ ad. st.	South Africa.	Zoological Society.
b. Imm. sk.	Cape of Good Hope.	Purchased.
c. Ad. sk.	Natal.	Tweeddale Coll.
d. ♀ ad. sk.	Natal.	Seebohm Coll.
e. ♂ ad. sk.	Transvaal (*T. Ayres*).	Sharpe Coll.
f. ♂ ad. sk.	Transvaal (*T. Ayres*).	Gurney Coll.
g ♂; *h*, *i.* ♀ ad. sk.	Transvaal, Dec. (*T. E. Buckley*).	Shelley Coll.
k. Ad. sk.	Transvaal.	Capt. Savile Reid [C.].
l. ♀ ad. sk.	Bransalow's Farm, Transvaal, Dec. (*F. Oates*).	W. E. & C. G. Oates, Esqrs. [P.].
m. ♀ ad. sk.	Sashe River, Transvaal, Oct. (*F. Oates*).	W. E. & C. G. Oates, Esqrs. [P.].
n. Ad. sk.	Damara-land.	Tweeddale Coll.
o, *p.* ♂ ♀ ad. sk.	Otjimbinque, Damara-land, July, Sept. (*C. J. Andersson*).	Seebohm Coll.
q. ♀ ad. sk.	Lake Shirwa, Nyasa-land, May (*A. Whyte*).	H. H. Johnston, Esq., C.B. [P.].
r, *s.* ♂ ♀ ad. sk.	Kilimanjaro, June 24.	H. C. V. Hunter, Esq. [P.].

18. BELONOPTERUS.

Type.

Belonopterus, *Reichenb. Av. Syst. Nat.* p. xviii (1852). B. cayennensis.

Range. Confined to South America.

Key to the Species.

a. Smaller; sides of face brown; tail narrowly tipped with white; tarsus 3·2 inches ..... *cayennensis*, p. 163.

b. Larger; sides of face ashy grey; tail broadly tipped with white; tarsus 2·75 inches ..... *chilensis*, p. 165.

1. Belonopterus cayennensis.

Vanneau armé de Cayenne, *D'Aubent. Pl. Enl.* viii. pl. 836; *Buff. Hist. Nat. Ois.* viii. p. 66 (1781).

Cayenne Sandpiper, *Lath. Gen. Syn.* iii. pt. 1, p. 164 (1785: Cayenne).

Parra cayennensis, *Gm. Syst. Nat.* i. p. 708 (1788: Cayenne).

Tringa cayennensis, *Lath. Ind. Orn.* ii. p. 727 (1790: Cayenne).

Terutéro ó Tetéu, *Azara, Apunt.* iii. p. 284 (1805).

Vanellus cayanensis, *Vieill. N. Dict. d'Hist. Nat.* xxxv. p. 208 (1819); *Gray, List Grall. Brit. Mus.* p. 63 (1844: Monte Video; Brit. Guiana), pt.; *Burm. Th. Bras.* iii. p. 333 (1856).

Charadrius cayennensis, *Licht. Verz. Doubl.* p. 70 (1823: S. America).

Charadrius lampronotus, *Wagl. Syst. Av.*, Charadrius, p. 48, sp. 74 (1827).

Vanellus cayennensis, *Neuwied, Beitr. Naturg. Bras.* iv. p. 754 (1833: Bahia); *Hartl. Ind. Azara*, p. 24 (1847); *Gray, Gen. B.* iii. p. 541 (1847); *Cab. in Schomb. Reis. Guian.* iii. p. 750 (1848); *Burm. Reise La Plata-St.* ii. p. 502 (1861: Paraná), pt.; *Scl. & Salv. P. Z. S.* 1867, p. 591 (Mexiana); *id. P. Z. S.* 1868, p. 144 (Conchitas); *Wyatt, Ibis*, 1871, p. 383 (Lake Paturia); *Pelz. Orn. Bras.* pp. 298, 454 (1871: Sapitiba; Ypanema; Jaguariba; Ytararé; Irisanga; Cuyaba; Caiçara); *Gray, Hand-l. B.* iii. p. 11, no. 9951 (1871); *Hudson, P. Z. S.* 1871, p. 6 (Buenos Ayres); *Scl. & Salv. Nomencl. Av. Neotrop.* p. 142 (1873; pt.);

Hudson, P. Z. S. 1874, p. 167 (Buenos Ayres); *Harting, t. c.* pp. 450, 457 (Uruguay); *Durnf. Ibis*, 1876, p. 164 (Buenos Ayres); *id. Ibis*, 1877, p. 42 (Chupat Valley, breeding); *id. t. c.* p. 196 (Buenos Ayres); *Garrod, P. Z. S.* 1878, pp. 627, 628; *Scl. & Salv. P. Z. S.* 1879, p. 546 (Antioquia); *Gibson, Ibis*, 1880, p. 161 (Cape San Antonio); *Durnf. t. c.* p. 416 (Tucuman); *White, P. Z. S.* 1882, p. 627 (Buenos Ayres); *Berlepsch, Ibis*, 1884, p. 441 (Angostura); *Barrows, Auk*, i. p. 278 (1884: Lower Uruguay, breeding Aug. to Dec.); *Gibson, Ibis*, 1885, p. 282 (Paysandu); *Berl. & Iher. Zeitschr. ges. Orn.* ii. p. 85 (1885: Taquara); *Salvin, Ibis*, 1886, p. 178 (British Guiana); *Seebohm, Geogr. Distr. Charadr.* p. 216 (1888); *Scl. & Hudson, Argent. Orn.* ii. p. 165 (1889); *Holland, Ibis*, 1890, p. 425 (Argent. Rep.); *Saunders, Ibis*, 1891, p. 160; *Graham Kerr, Ibis*, 1891, p. 270 (Pilcomayo); *id. Ibis*, 1892, p. 150; *Holland, t. c.* p. 210 (Estancia Espartilla, breeding); *Allen, Bull. Amer. Mus. N. H.* v. p. 149 (1893: Cuyaba, Matto Grosso).

Philomachus cayanus (*nec Lath.*), *Gould in Darwin's Voy. 'Beagle,' Birds*, p. 127 (1841: La Plata).

Belonopterus cayennensis, *Reichenb. Grallæ*, p. xviii, tab. ci. figs. 678–80 (1852); *Bp. C. R.* xliii. p. 418 (1856); *Heine & Reichen. Nomencl. Mus. Hein.* p. 334 (1890; pt.).

Adult male. General colour above ashy, with a metallic gloss of oily green on the back and scapulars, the lower back and rump dusky brown; upper tail-coverts and tail pure white, the terminal half black, tipped with white; outer scapulars glossed with metallic copper; lesser wing-coverts purplish black and metallic steel-green in succession, with a slight purplish gloss; median and greater wing-coverts white, the inner ones ashy brown; bastard-wing, primary-coverts, and quills black, the inner secondaries white or ashy brown at the base, increasing in extent towards the innermost secondaries, which are ashy brown with a metallic oily-green lustre; forehead black to above the fore part of the eyes, and including the base of the lores and a spot at the base of the cheeks, followed by a whitish band across the fore part of the crown, the rest of which is light brown like the hind-neck, sides of neck, ear-coverts, and sides of face to below the middle of the eye; fore part of the face white, forming a white patch between the black and the brown colours, the fore part of the cheeks being white, the hinder part brown; chin and centre of throat black; lower throat light brown, like the sides of the neck; fore-neck and upper breast glossy black; lower breast and abdomen, as well as the under wing- and tail-coverts white; quills black below: "bill pale red at the base, the tip blackish brown; feet greyish brown, the joints red; iris sealing-wax red" (*Neuwied*). Total length 12·5 inches, culmen 1·3, wing 9, tail 3·9, tarsus 3·2.

Adult female. Similar to the male in colour, but having a shorter crest: "bill reddish purple, the point black; thighs reddish purple; feet, toes, and claws black; eyelid reddish purple; iris red" (*H. Whitely*). Total length 13·5 inches, culmen 1·3, wing 9·2, tail 3·8, tarsus 2·9.

Hab. From Colombia and Guiana to Central and Southern Brazil.

a. Ad. sk.	Carthagena.	Salvin-Godman Coll.
b, *c*. ♂ ad. sk.	Antioquia, U.S. Colombia (*T. K. Salmon*).	Salvin-Godman Coll.
d, *e*. Ad. sk.	British Guiana.	Sir R. Schomburgk [C.].
f. ♀ ad. sk.	Quongo, British Guiana, Oct. 20 (*H. Whitely*).	Salvin-Godman Coll.
g. ♂ ad. sk.	Aunai, British Guiana, April (*H. W.*).	Salvin-Godman Coll.
h. Ad. sk.	Brazil.	M. Clausen [P.].
i. Ad. sk.	Island of Mexiana, Nov. (*A. R. Wallace*).	Salvin-Godman Coll.
k. Ad. sk.	Pará (*E. L. Layard*).	Tweeddale Coll.
l. Ad. sk.	Pernambuco (*W. A. Forbes*).	Salvin-Godman Coll.
m. Ad. sk.	Bahia (*Dr. Wucherer*).	Salvin-Godman Coll.
n. Ad. sk.	Bahia (*Dr. Wucherer*).	Seebohm Coll.
o. ♀ ad. sk.	Rio de Janeiro.	Seebohm Coll.
p. Ad. sk.	Matto Grosso (*H. H. Smith*).	Salvin-Godman Coll.
q. Pull. sk.	Buenos Ayres, Nov. 6 (*E. W. White*).	Salvin-Godman Coll.
r. Ad. sk.	Monte Video (*Johnson*).	Salvin-Godman Coll.
s, *t* ♂ ♀ ad. sk.	Uruguay, Aug. 14.	Alan Peel, Esq. [P.].
u. Ad. st.	Maldonado.	Sir W. Burnett & Capt. Fitzroy [P.].

2. Belonopterus chilensis.

Parra chilensis, *Molina, Saggio St. Chili*, p. 239 (1789).

Vanellus cayennensis (*nec Gm.*), *Bridges, P. Z. S.* 1841, p. 94 (Chili); *Gay, Faun. Chil., Zool.* i. p. 400 (1847); *Burm. Reise La Plata-St.* ii. p. 502 (1861: Mendoza); *Scl. & Salv. P. Z. S.* 1867, pp. 331, 339; *id. Ibis*, 1869, p. 284 (Gregory Bay); *id. Nomencl. Av. Neotrop.* p. 142 (1873; pt.); *Berl. James, New List Chilian B.* p. 11 (1892).

Philomachus chilensis, *Fraser, P. Z. S.* 1843, p. 117 (Chili).

Vanellus cayanensis, *Gray, List Grall. Brit. Mus.* p. 63 (1844: Valparaiso).

Philomachus cayanus (*nec Lath.*), *Gould, Voy. 'Beagle,' Birds*, p. 127 (1841, pt.).

Vanellus chilensis, *Yarrell, P. Z. S.* 1847, p. 54 (Chili).

Belopterus cayanus (*nec Lath.*), *Scl. P. Z. S.* 1861, p. 46 (Falkland Isl.); *Abbott, Ibis*, 1861, p. 155 (Stanley, E. Falklands); *Dust. Miss. Sci. Cap Horn, Ois.* p. 289 (1891).

Vanellus cayanus, *Cunningham, Ibis*, 1868, p. 490 (Gregory Bay).

Vanellus occidentalis, *Harting, P. Z. S.* 1874, p. 451; *Scl. & Salv. P. Z. S.* 1878, p. 437 (Elizabeth Isl.); *id. Voy. 'Challenger,'* p. 108 (1881); *Sharpe, P. Z. S.* 1881, p. 14 (Peckett Harbour; Talcahuano); *Taczan. Orn. Pérou*, iii. p. 335 (1886).

Vanellus cayennensis chilensis, *Seebohm, Geogr. Distr. Charadr.* p. 218 (1888).

Adult male. Similar to *B. cayennensis*, but larger, with the head, neck, and sides of face clear ashy grey, instead of brown, the white tips of the tail broader, and the black of the breast extending further down and occupying the whole breast; the tarsus much shorter. Total length 14·5 inches, culmen 1·4, wing 9·3, tail 4·7, tarsus 2·75.

Adult female. Resembles the male in colour. Total length 13·5 inches, culmen 1·25, wing 9·5, tail 4·3, tarsus 2·6.

Young. Browner than the adult, varied with cross-bars of sandy brown all over the back and head; the black on the throat narrower and more restricted.

Hab. From the Falkland Islands to Patagonia, Chili, to Peru.

a. ♂ ad. sk.	Chili.	Salvin-Godman Coll.
b, c. Ad. sk.	Chili.	Seebohm Coll.
d. Pull. st.	Chili.	Bridges Coll.
e, f. ♂ ♀ ad. sk.	Chili (*E. C. Reed*).	Salvin-Godman Coll.
g–k. Ad.; *l.* Juv. sk.	Central Chili (*Landbeck*).	Berkeley James Coll.
m. Ad. st.	Valparaiso.	Sir W. Burnett & Capt. Fitzroy [P.].
n. ♂ ad. sk.	San Pedro, Tarapacá, July 7 (*A. A. Lane*).	Berkeley James Coll.
o. ♀ ad. sk.	San Antonio, Tarapacá (*A. A. L.*).	Berkeley James Coll.
p. ♂ ad. sk.	Talcahuano, Chili, Nov. 22 (*Dr. Coppinger*).	Voy. H.M.S. 'Alert.'
q. ♂ ad. sk.	Elizabeth Island, Straits of Magellan.	Voy. H.M.S. 'Challenger.'

19. VANELLUS.

Type.

Vanellus, *Briss. Orn.* v. p. 94 (1760) ..... V. vanellus.

Range. Europe and Northern Asia, wintering in the Mediterranean countries, N.W. India and China. Accidental in North America.

1. Vanellus vanellus.

The Pewit.

The Lapwing or Bastard Plover, *Albin, Nat. Hist. B.* i. p. 70, pl. 74 (1738).

Le Vanneau, *Briss. Orn.* v. p. 24, pl. viii. fig. 1 (1760); *D'Aubent. Pl. Enl.* viii. pl. 242; *Buff. Hist. Nat. Ois.* viii. p. 48, pl. iv. (1781).

Tringa vanellus, *Linn. Syst. Nat.* i. p. 248 (1766); *Gm. Syst. Nat.* i. p. 670 (1788).

Lapwing, *Lath. Gen. Syn.* iii. pt. 1, p. 161 (1785).

Vanellus capella, *Schaeff. Mus. Orn.* p. 49 (1789); *Stejn. Proc. U.S. Nat. Mus.* v. p. 35 (1882); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 130 (1884); *Gigl. Avif. Ital.* p. 376 (1886); *Salvad. Elenco Ucc. Ital.* p. 206 (1886); *Reichen. Syst. Verz. Vög. Deutschl.* p. 51 (1889); *Gigl. 1st Resoc. Avif. Ital.* p. 576 (1889), *2nd* p. 663 (1890), *3rd* p. 518 (1891).

Vanellus vulgaris, *Bechst. Orn. Taschenb.* ii. p. 313 (1803); *Dresser, B. Eur.* vii. p. 545, pl. 531 (1875); *Danf. & Harvie-Brown, Ibis*, 1875, p. 419 (Transylvania); *Dresser, Ibis*, 1876, p. 328; *Butler, Cat. B. Sind etc.* p. 58 (1879); *Hume, Str. F.* viii. p. 112 (1879); *Seebohm, Ibis*, 1879, p. 152 (Siberia); *Reid, Str. F.* x. p. 65 (1881: Lucknow); *Biddulph, Ibis*, 1881, p. 94 (Gilgit, winter); *Scully, t. c.* p. 587 (Gilgit, spring & autumn); *B. O. U. List Brit. B.* p. 161 (1883); *Saunders, ed. Yarrell's Brit. B.* iii. p. 283 (1883); *Eagle Clarke, Ibis*, 1884, p. 148 (Obedska Bara); *Saunders, t. c.* p. 389 (St. Jean de Luz); *Tristr. Faun. & Flor. Palest.* p. 131 (1884); *Whitehead, Ibis*, 1885, p. 42 (Corsica, winter); *Reid, t. c.* p. 253 (Morocco, winter); *Pleske, Uebers. Säug. und Vög. Kola-Halb.* p. 329 (1886); *Backhouse, Ibis*, 1887, p. 74

(E. Pyrenees); *Tait*, *t. c.* p. 386 (Portugal, Oct. to March); *Buckley & Harvie-Brown*, *Vertebr. Faun. Outer Hebr.* p. 125 (1888); *St. John*, *Ibis*, 1889, p. 176 (S. Afghanistan); *Feilden*, *t. c.* p. 495 (Barbados, Dec.); *Saunders*, *Man. Brit. B.* p. 539 (1889); *Olphe-Gall. Contr. Faun. Orn. Eur. Occid.* fasc. xiii. p. 47 (1890); *Seebohm*, *Ibis*, 1890, p. 409 (Ireland, nesting); *W. Evans*, *Ibis*, 1891, p. 80 (incubation); *Dresser*, *t. c.* p. 369 (Erzeroom); *Buckley & Harvie-Brown*, *Vertebr. Faun. Orkneys*, p. 204 (1891); *iid. Vert. Faun. Argyll*, p. 166 (1892); *Blagg*, *Ibis*, 1893, p. 355 (Shetland Is., breeding).

Vanellus cristatus, *Wolf & Meyer*, *Hist. Nat. Ois. de l'Allem.* i. p. 110, cum tab. (1805); *Vieill. N. Dict. d'Hist. Nat.* xxxv. p. 211 (1819); *Temm. Man. d'Orn.* ii. p. 550 (1820); *Roux*, *Orn. Prov.* pl. 278 (1825); *Werner*, *Atlas*, *Coureurs*, pl. 17 (1827); *Brehm*, *Vög. Deutschl.* p. 555 (1831); *Ménétr. Cat. Rais. Cauc.* p. 58 (1832: Caspian); *Gould*, *B. Eur.* iv. pl. 291 (1837); *Bp. Comp. List B. Eur. & N. Amer.* p. 46 (1838); *Crespon*, *Orn. Gard*, p. 369 (1840); *Keys. & Blas. Wirb. Eur.* p. lxix (1840); *Nordm. in Demid. Voy. Russ. Mérid.* iii. p. 256 (1840); *Selys-Longch. Faun. Belg.* p. 121 (1842); *Schl. Rev. Crit.* p. lxxxiii (1844); *Mühle*, *Beitr. Orn. Griechenl.* p. 94 (1844); *Gray*, *List Grall. Brit. Mus.* p. 63 (1844); *Hodgs. Icon. ined. in Brit. Mus.*, *Grall.*, App. pl. 40, no. 625; *id. in Gray's Zool. Misc.* p. 86 (1844); *Rüpp. Syst. Uebers.* p. 117 (1845); *Heuglin*, *Eggs Brit. B.* ii. p. 201, pl. lxx. (1846); *Gray*, *Cat. Mamm. &c. Nepal pres. Hodgs.* p. 132 (1846); *id. Gen. B.* iii. p. 541 (1847); *Blyth*, *Cat. B. Mus. As. Soc.* p. 261 (1849); *Thomps. B. Irel.* ii. p. 110 (1850); *Kjærb. Danm. Fugle*, pl. xxxi. fig. 2 (1852); *Macgill. Brit. B.* iv. p. 133 (1852); *Schl. Vog. Nederl.* pl. 216 (1854); *Bp. C. R.* xliii. p. 419 (1856); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 450 (1859); *Taylor*, *Ibis*, 1859, p. 52 (Egypt); *Schrenk*, *Reis. Amurl.* p. 408 (1859: Sungaria); *Linderm. Vog. Griechenl.* p. 133 (1860); *Tristr. Ibis*, 1860, p. 79 (Chamba Country, Algeria, Dec.); *Powys*, *t. c.* p. 339 (Ionian Is.); *Schl. Dier. Nederl. Vog.* pl. 21. fig. 10 (1861); *Reinhardt*, *Ibis*, 1861, p. 9 (Greenland); *Irby*, *t. c.* p. 238 (Oudh); *Swinh. t. c.* p. 342 (Pekin, Nov.); *Newton in Baring-Gould's Iceland*, p. 411 (1863); *Gray*, *List Brit. B.* p. 137 (1863); *Radde*, *Reis. Sibir., Vog.* p. 321 (1863: Bureja Mts.); *Collett*, *Overs. Christ. Om. Orn. Faun.* p. 180 (1864); *Adams*, *Ibis*, 1864, p. 30 (Egypt); *Wright*, *t. c.* p. 142 (Malta); *Sperling*, *t. c.* p. 286; *Jerd. B. Ind.* iii. p. 643 (1864); *Gigl. Ibis*, 1865, p. 49 (Pisa); *Swinh. t. c.* p. 349 (Swatow, Nov.); *More*, *t. c.* p. 432; *Filippi*, *Viagg. Persia*, p. 351 (1865); *Gould*, *B. Great Brit.* iv. pl. 33 (1865); *Schl. Mus. Pays-Bas*, Cursores, p. 56 (1865); *Sundev. Sv. Fogl.* pl. 36. fig. 1 (1866); *Godman*, *Ibis*, 1866, pp. 100, 107 (Azores); *Legge*, *t. c.* p. 420; *E. C. Taylor*, *Ibis*, 1867, p. 68 (Egypt); *Baird*, *t. c.* p. 282 (Iceland and Greenland); *Swinhoe*, *t. c.* p. 389 (Cheo-bay, Amoy); *Drake*, *t. c.* p. 420 (Tangiers); *Deyl. et Gerbe*, *Orn. Eur.* ii. p. 148 (1867); *Loche*, *Expl. Sci. Algér.*, *Ois.* ii. p. 271 (1867); *Collett*, *Norges Fugle*, p. 49 (1868); *Dyb. J. f. O.* 1868, p. 337 (Daraaun); *Smith*, *Ibis*, 1868, p. 453 (Portugal); *Borggr. Vogelf. Norddeutschl.* p. 109 (1869); *Dall & Bann. Trans. Chic. Acad.* i. p. 263 (1869: Norton Sound); *Doderl. Arif. Sicil.* p. 178 (1869); *Godman*, *Azores*, p. 32 (1870); *Fritsch*, *Vög. Eur.* tab. 35. figs. 3–5 (1870); *Elwes & Buckley*, *Ibis*, 1870, p. 330 (Turkey); *Gray*, *Hand-l. B.* iii. p. 10, no. 9850 (1871); *Swinh. P. Z. S.* 1871, p. 403 (Canton and Formosa, winter); *Gurney*, *Ibis*, 1871, p. 298 (Algeria); *Saunders*, *t. c.* p. 386 (S. Spain); *R. Gray*, *B. West*

Scotl. p. 263 (1871); *Salvad. Faun. Ital., Ucc.* p. 199 (1871); *Coues, Key N. Amer. B.* p. 243 (1872); *G. C. Taylor, Ibis*, 1872, p. 232 (Constantinople); *Harting, Handb. Brit. B.* p. 43 (1872); *Shelley, B. Egypt*, p. 231 (1872); *Hume & Henders. Lahore to Yark.* p. 286 (1873); *Heugl. Orn. N.O.-Afr.* ii. p. 992, App. p. clxxix (1873: Egypt, N. Arabia; White Nile); *Brooke, Ibis*, 1873, p. 337 (Sardinia); *Severtz. Turkest. Jevotn.* p. 69 (1873: breeding); *Tacz. J. f. O.* 1873, p. 101 (Kultuk); *Hume, Nests & Eggs Ind. B.* p. 573 (1873); *id. Str. F.* i. p. 231 (1873: Sind); *Adam, t. c.* p. 394 (Sambhur); *Tacz. J. f. O.* 1874, p. 336; *Saxby, B. Shetl.* p. 168 (1874); *Durnf. Ibis*, 1874, p. 397 (N. Frisian Is.); *Stoliczka, Str. F.* iii. p. 220 (1875: Yarkand); *Irby, Orn. Str. Gibr.* p. 158 (1875: spring and autumn); *Fallon, Ois. Belg.* p. 154 (1875); *Blanf. East. Persia*, ii. p. 280 (1876); *Radakoff, Hand-Atlas Nistend. Vög.* pl. 18 (1876); *Swinh. Ibis*, 1876, p. 334 (Japan); *Butler, Str. F.* iv. p. 41 (1876: Sindh); *Scully, t. c.* p. 186 (Yarkand); *Tacz. Bull. Soc. Zool. France*, i. p. 249 (1876); *id.* ii. p. 155 (1877: Poland, March to Sept.); *Prjev. in Rowley's Orn. Misc.* ii. p. 433 (1877: S.E. Mongolia; Yellow R. Valley; Dalai-nor; Tsaidam; Koko-nor; Lake Hanka); *David et Oust. Ois. Chine*, p. 422 (1877); *Danf. Ibis*, 1878, p. 33 (Zebil Taurus); *Blakist. & Pryer, t. c.* p. 219 (Tokio, Yokohama, Hakodadi); *Butler, Str. F.* vii. p. 186 (1878: E. Narra); *Finsch, Verh. z.-b. Ges. Wien*, xxix. p. 242 (1879: Burgustai; Saissan; Ala-kul; Omsk); *Coues, Check-l. N. Amer. B.* p. 98 (1882); *Blakist. & Pryer, B. Japan*, p. 108 (1882); *iid. Trans. As. Soc. Jap.* 1882, p. 108 (Yezo); *Swinh. Ibis*, 1882, p. 120 (Kandahar); *Irby, Ibis*, 1883, p. 187 (Santander); *Radde, Orn. Cauc.* pp. 44, 420 (1884: from 2000 to 3500 feet, breeding); *Bogd. Consp. Av. Imp. Ross.* p. 68 (1884); *Murray, Vertebr. Faun. Sind*, p. 228 (1884); *Seebohm, Ibis*, 1884, p. 267 (Central China); *Marshall, t. c.* p. 423 (Chamba); *Blakist. Amended List B. Jap.* p. 10 (1884: Japan generally); *Coues, Key N. Amer. B.* 2nd ed. p. 605 (1884); *Seebohm, Hist. Brit. B.* iii. p. 57 (1885); *Zarudn. Ois. Transcasp.* p. 68 (1885: Ahal-Tékke); *Scully, J. A. S. Beng.* lvi. p. 87 (1887); *Tacz. P. Z. S.* 1887, p. 610; *id. P. Z. S.* 1888, p. 468 (Corea); *Feilden, Zool.* 1888, p. 301 (Barbados, Dec.); *Koenig, J. f. O.* 1888, p. 271 (Tunis); *Sharpe, Trans. Linn. Soc.* (2) v. pt. 3, p. 88 (1889: N. Afghanistan); *Lilford, Ibis*, 1889, p. 339 (Cyprus, winter); *Meade-Waldo, t. c.* p. 509 (Fuerteventura); *Seebohm, B. Jap. Emp.* p. 312 (1890); *Frivaldszky, Aves Hung.* p. 120 (1891); *Madarász, Erläut. Ausst. Ungar. Vogelf.* p. 102 (1891); *Styan, Ibis*, 1891, pp. 330, 504 (Lower Yangtse, winter); *Sharpe, Rep. 2nd Yark. Miss., Aves*, p. 138 (1891); *Seebohm, Ibis*, 1892, p. 23 (Heligoland); *Campbell, t. c.* p. 246 (Corea); *De la Touche, t. c.* p. 496 (Foochow and Swatow, winter); *Meade-Waldo, Ibis*, 1893, p. 203 (Canary Is., winter).

Charadrius vanellus, *Pall. Zoogr. Rosso-Asiat.* ii. p. 132 (1811); *Wagl. Syst. Av.*, Charadrius, p. 37, sp. 47 (1827); *Naum. Vög. Deutschl.* vii. p. 269, Taf. 179 (1834); *Sceb. Ibis*, 1882, p. 222 (Astrakhan), p. 425 (Samarkand); *id. Ibis*, 1883, p. 28 (Caucasus).

Vanellus gavia, *Leach, Syst. Cat. Mamm. &c. Brit. Mus.* p. 29 (1816); *Steph. in Shaw's Gen. Zool.* xi. pt. 2, p. 211 (1819); *Licht. Nomencl Av. Mus. Berol.* p. 95 (1854: Nubia).

Charadrius gavia, *Licht. Verz. Doubl.* p. 70 (1823: Egypt, Nubia).

Vanellus bicornis, *Brehm, Vög. Deutschl.* p. 557 (1831).

Vanellus candidus, *J. F. Naum. Vög. Deutschl.* vii. p. 276 (1834).

Vanellus pallidus, *J. F. Naum. Vög. Deutschl.* vii. p. 276 (1834).

Vanellus varius, *J. F. Naum. Vög. Deutschl.* vii. p. 276 (1834).
The Pewit or Lapwing, *Yarrell, Brit. B.* ii. p. 417 (1843).
Vanellus vanellus, *Licht. Nomencl. Av. Mus. Berol.* p. 95 (1854: Europe); *A. O. U. Check-l. N. Amer. B.* p. 100 (1886); *Ridgw. Man. N. Amer. B.* p. 172 (1887); *Cory, B. West Ind.* p. 297 (1889); *Brusina, Mətr. etc.* (*Orn. Croatica*), p. 88 (1890); *Hartert, Ibis*, 1892, p. 516 (E. Prussia).
Vanellus cristatus communis, etc., *A. E. Brehm, Verz. Samml. C. L. Brehm*, p. 11 (1866; *teste Dresser*).

Adult male. General colour above glossy olive-green, the scapulars purple at their tips; wing-coverts glossy steel-blue, with a greenish shade, more conspicuous on the median series; bastard-wing, primary-coverts, and quills black, the primaries with a sub-terminal patch of ashy white, the secondaries white at the base of the inner web; innermost secondaries glossy green; lower back and rump dusky brown, the latter slightly glossed with green; upper tail-coverts cinnamon-rufous; base of tail white, terminal half black, the feathers being slightly tipped with white, the black band decreasing in extent towards the outer feathers, which are entirely white, excepting a black patch on the inner web; crown black, with a slight greenish gloss, and ornamented with an occipital crest of elongated plumes; lores, fore part of cheeks, entire throat, and fore-neck black, with a slight greenish gloss; eyebrow, sides of face, sides of neck, and hind-neck as far as the occiput dull white, the eyebrow mottled with black above the eye, and below the latter a narrow streak of black extending along the upper edge of the ear-coverts; hind-neck slightly washed with brown, the lower sides of the neck metallic-green, extending down the sides of the fore-neck; remainder of under surface of body, from the fore-neck downwards, pure white, including the under wing-coverts and axillaries; the coverts on the outside of the wing as well as the lower primary coverts black, like the quill-lining; under tail-coverts light cinnamon; "bill black; feet clear fleshy red; iris brown" (*J. F. Naumann*). Total length 13 inches, culmen 1, wing 8·8, tail 4·2, tarsus 1·7.

Adult female. Similar to the male in colour, but the crest not so long and the black on the throat not developed so soon. Total length 11 inches, culmen 1·1, wing 8·5, tail 3·8, tarsus 1·6.

Adult in winter plumage. Differs from the summer plumage in having the throat white and the head brown, with the crest shorter; across the fore-neck a very broad band of black; feathers of the upper surface with fulvous edgings, which gradually wear off.

Young. Coloured like the adults, but having all the feathers of the upper surface edged with sandy buff, including the wing-coverts and secondaries, the scapulars with a little purplish gloss; the crest very short; the eyebrow and sides of face and throat washed with sandy buff, with black marks before the eye, on the fore part of the cheeks and upper line of the ear-coverts.

Hab. Europe generally, occurring in the southern countries in winter only, or on migration. Across Siberia to Japan and N. China, wintering in S. China and N.W. India.

a. Ad. st.	Europe.	Purchased.
b, *c*, *d*. Ad., juv., et pull. sk.	British Islands.	Gould Coll.
e, *f*. Ad. æstiv.; *g*. Pull. sk.	British Islands.	Salvin-Godman Coll.
h. Pull. sk.	Orkneys.	Gould Coll.
i. ♂ ad. hiem. sk.	Yarmouth, Feb. (*Gunn*).	Seebohm Coll.
k. Pull. sk.	Norfolk Broads, May 27.	Dr. Günther [P.].
l. Juv. sk.	Romney Marsh, Kent, July (*R. B. S.*).	R. B. Sharpe, Esq. [P.].
m, *n*. ♂ ♀ ad. hiem. sk.	Pagham Harbour, Sussex, Sept., Feb. (*J. E. Harting*).	Seebohm Coll.
o. ♀ juv. sk.	Pagham Harbour, Sept. 5 (*R. B. S.*).	R. B. Sharpe, Esq. [P.].
p. ♀ ad. hiem. sk.	Avington, Hants, May 19.	Sir E. Shelley [P.].
q. ♂ ad. hiem. sk.	Avington, Feb. 4 (*G. E. S.*).	R. B. Sharpe, Esq. [P.].
r. Ad. æstiv. sk.	Wiltshire.	Montagu Coll. (Type of *V. gavia*.)
s, *t*. ♂ imm. hiem. sk.	St. Bride's, South Wales, Dec., Jan.	Hon. W. Edwardes [P.].
u. Ad. sk.	Tangiers.	Seebohm Coll.
v. ♀ ad. hiem. sk.	Egypt, Feb. 9.	Shelley Coll.
w. ♂ ad. hiem. sk.	Beersheba, Palestine.	Canon Tristram [C.].
x. Juv. hiem. sk.	Trebizond (*Dickson & Ross*).	Gould Coll.
y, *z*. Ad. hiem. sk.	Mesopotamia (*Commander Jones*).	India Museum.
a'. ♀ juv. hiem. sk.	Resht, Caspian Sea.	Sir O. St. John [C.].
b'. Imm. hiem. sk.	Samarkand.	Seebohm Coll.
c'. ♂ imm. hiem. sk.	Kashgar (*Dr. Bellew*).	India Museum.
d'. ♂ imm. hiem. sk.	Kashgar, Oct. 23 (*J. Scully*).	Hume Coll.
e'. ♂ ad. hiem. sk.	Kashgar, Feb. 20.	Colonel Biddulph [C.].
f'. Juv. hiem. sk.	Kashgar, Dec. 10.	Dr. Stoliczka [C.].
g'. Ad. sk.	Yarkand, May 24.	Dr. Stoliczka [C.].
h'. Juv. sk.	Yarkand, June 2 (*J. Scully*).	Hume Coll.
i'. ♂ juv. hiem. sk.	Zind-i-jan, Northern Afganistan (*Dr. Aitchison*).	Afghan Delimitation Commission [P.].
k'. ♂ imm. hiem.; *l'*, *m'*. ♀ imm. hiem. sk.	Candahar, Nov., Dec.	Colonel Swinhoe [P.].
n'. Juv. hiem.; *o'*. ♀ imm. hiem. sk.	Quetta, Dec. (*Sir O. St. John*).	Hume Coll.
p'. ♂ ad. æstiv. sk.	Quetta (*Griffith*).	India Museum.
q'. ♂ ad. hiem. sk.	Pisheen Valley, Dec. 19 (*Sir O. St. John*).	Hume Coll.
r', *s'*. Ad. hiem. sk.	Peshawur.	Colonel Way [P.].
t'. Ad. sk.	Mittencote, R. Indus (*Griffith*).	India Museum.
u'. ♂ ad. hiem. sk.	R. Jhelum, Nov. 22 (*A. O. H.*).	Hume Coll.
v', *w'*. Imm. hiem. sk.	Murdan, Punjab, Dec.	Hume Coll.
x'. ♂ ad. hiem. sk.	Lower Hazara, Feb. 24 (*W. H. Unwin*).	Hume Coll.
y'–*a''*. Ad. hiem. sk.	Sirza Distr., Nov.	Hume Coll.

b'', c''. ♂ ad.; d''. ♀ ad. ak.	Gilgit (*J. Biddulph*).	Hume Coll.
e''. Ad. hiem. ak.	Ladak (*Strachey*).	India Museum.
f''. ♀ ad. ak.	Delhi, Jan. 5 (*A. O. H.*).	Hume Coll.
g''–q''. ♂ ad. hiem.; r''–u''. ♀ ad. hiem. ak.	Gurgaon Distr., Dec. to Feb. (*W. N. Chill*).	Hume Coll.
v'', w'', x''. ♂ ad. hiem.; y'', z'', a^3. ♀ ad. hiem. ak.	Etawah, Dec. to Feb.	Hume Coll.
b^3. Ad. hiem. ak.	Oudh, Jan.	Hume Coll.
c^3, d^3. Ad. hiem. ak.	Mynpuri, Nov. 21.	Hume Coll.
e^3. Ad. ak.	Banks of the Gogra.	Pinwill Coll.
f^3. Ad. æstiv.; g^3. Juv. hiem. ak.	Nepal.	Hodgson Coll.
h^3. ♀ ad. hiem. ak.	Corea.	C. W. Campbell, Esq. [P.].
i^3. Ad. hiem. ak.	China.	J. R. Reeves, Esq. [P.].
k^3. Juv. ak.	China.	Lieut. Davies [P.].
l^3. Ad. hiem. ak.	Ichang, Dec.	A. Pratt, Esq. [C.].
m^3. Ad. ak.	Kiukiang, Jan. 8.	F. W. Styan, Esq. [P.].
n^3. Imm. ak.	Chinkiang.	Tweeddale Coll.
o^3. ♂ juv. hiem. ak.	Canton (*Tuckett*).	Tweeddale Coll.
p^3. Imm. hiem. ak.	Foochow, Jan. (*R. Swinhoe*).	Seebohm Coll.
q^3. Ad. hiem. ak.	Fokien.	Gould Coll.
r^3. Ad. hiem. ak.	Yeddo, Japan, Feb. 9 (*T. Blakiston*).	Seebohm Coll.
s^3. Juv. hiem. ak.	Yokohama (*H. Pryer*).	Seebohm Coll.
t^3. ♂ juv. hiem. ak.	Nagasaki, Nov. 15.	F. Ringer, Esq. [P.].
u^3, v^3. Skeletons.	England.	Purchased.
w^3, x^3. Skull & sternum.	England.	J. Ray, Esq. [P.].
y^3. Skull.	England.	Yarrell Coll.
z^3, a^4. Sterna.		M. Lefebvre.

20. EURYPTERUS.

Chettusia, pt., *auct. recent.*

Range. Egypt and Nubia, north to Southern Russia, and east to Turkestan and North-western India.

1. Eurypterus leucurus.

Charadrius leucurus, *Licht. in Eversm. Reis. Orenb. nach Buchara*, p. 137 (1823; Kuwan; Jan Darya); *id. Verz. Doubl.* p. 70 (1823); *Wagl. Syst. Av.*, Charadrius, p. 73, sp. 46 (1827).

Vanellus villotæi, *Sav. Descr. de l'Egypte*, pl. vi. fig. 2; *Audouin, Expl. Somm. Descr. de l'Egypte*, p. 388, pl. vi. fig. 2 (1828); *Less. Compl. Buff., Ois.* iii. p. 388 (1837); *Rupp. Syst. Uebers.* p. 117 (1845: Egypt & Nubia); *Heugl. Syst. Uebers.* p. 55 (1856); *Scully, J. A. S. Beng.* lvi. p. 87 (1887: Afghan Turkestan).

Vanellus flavipes, *Less. Traité d'Orn.* p. 542 (1831).

Vanellus grallarius, *Less. Traité d'Orn.* p. 524 (1831); *Pucher. Rev. et Mag. de Zool.* 1851, p. 570; *Licht. Nomencl. Av. Mus. Berol.* p. 85 (1854: Nubia; Syria); *Hartl. J. f. O.* 1855, p. 421.

Vanellus leucurus, *Blyth, J. A. S. Beng.* xiii. p. 387 (1844); *Gray, Gen. B.* iii. p. 541 (1847); *Vierth. Naum.* 1852, p. 41; *Licht. Nomencl. Av. Mus. Berol.* p. 95 (1854: Aral Lake); *Brehm, J. f. O.* 1854, p. 78; *id.* 1855, pp. 365, 486; *Hartl. Orn. West-Afr.* p. 211 (1857: Senegal); *Taylor, Ibis*, 1859, p. 52 (Egypt); *Schl. Mus. Pays-Bas*, Cursores, p. 59 (1865: Egypt; Senaar; Senegal); *Severtz. Turkest. Jevotn.* p. 69 (1873: breeding); *Radde, Orn. Cauc.* pp. 44, 419 (1884: Caspian, winter); *Seebohm, Geogr. Distr. Charadr.* p. 213 (1888).

Vanellus villototæi, *Crespon, Faune Mérid.* ii. p. 50 (1844: Hérault).

Lobivanellus leucurus, *Blyth, Cat. B. Mus. As. Soc.* p. 261 (1849: Calcutta).

Squatarola leucura, *Reichenb. Grallæ*, tab. ci. fig. 676 (1852).

Vanellus aralensis, *Eversm. Bull. Acad. Sci. Moscow*, xxvi. pt. 2, p. 497 (1853).

Chettusia leucura, *Bp. C. R.* xliii. p. 419 (1856); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 452 (1859); *Cavafy, Ibis*, 1861, p. 210 (Alexandria Market); *Loche, Expl. Sci. Algér., Ois.* ii. p. 273 (1867: accidental visitor); *Dresser, B. Eur.* vii. p. 531, pl. 529 (1871); *Severtz. J. f. O.* 1873, p. 366 (Western Turkestan); *Dresser, Ibis*, 1876, p. 328; *Salvin, Cat. Strickl. Coll.* p. 599 (1882: Kirghis Steppes); *C. Swinhoe, Ibis*, 1882, p. 120 (Candahar, winter); *Bogd. Consp. Av. Imp. Ross.* p. 69 (1884: Central and lower valleys of the Rivers Syr-Daria and Amu Daria, towards the shores of Lake Aral; accidental near Sarepta); *Murray, Vertebr. Faun. Sind*, p. 229 (1884); *Salvad. Elenco Ucc. Ital.* p. 375 (1886: Malta); *St. John, Ibis*, 1889, p. 176 (Southern Afghanistan, winter).

Chettusia aralensis, *Bp. C. R.* xliii. p. 419 (1856).

Chettusia leucura, *Antin. Cat. descr. Ucc.* p. 98 (1864: Blue Nile); *Jerd. B. Ind.* iii. p. 646 (1864); *Wright, Ibis*, 1865, pp. 459, 462, 466, pl. x.; *Brehm, J. f. O.* 1866, p. 386; *Blyth, Ibis*, 1867, p. 165 (crit.); *Degl. et Gerbe, Orn. Eur.* ii. p. 146 (1867: Hérault); *Beavan, Ibis*, 1868, p. 390 (Umbala); *Wright, Ibis*, 1870, p. 491 (Malta); *Bree, B. Eur.* iv. p. 165 (1875); *Zarudn. Ois. Transcasp.* p. 68 (Askabad).

Chettusia flavipes, *Gray, Hand-l. B.* iii. p. 11, no. 9956 (1871); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 998 (1873: Nile Delta; Fayoum; S. Kordofan); *Hume, Str. F.* i. p. 232 (1873: Sindh; Punjab; Oudh; N. W. Prov.; Rajputana); *Adams, t. c.* p. 394 (Sambhur); *Butler, Str. F.* iv. p. 13 (1876: Ahmedabad; Deesa), v. p. 232 (1877); *Hartert, Kat. Vogels. Senckenb. Mus.* p. 215 (1891: Schendi).

Vanellus (Chettusia) leucurus, *Cab. J. f. O.* 1873, p. 80 (Sarepta; S. Russia).

Chætusia villotæi, *Salvad. Faun. Ital., Ucc.* p. 201 (1871).

Chettusia villotæi, *Shelley, B. Egypt*, p. 233 (1872: resident, Delta; Fayoum); *Blanf. East. Persia*, ii. p. 280 (1876: S. Persia; Baluchistan, not in north or on Caspian); *Butler, Cat. B. Sind etc.* p. 58 (1879); *Hume, Str. F.* viii. p. 112 (1879); *Gigl. Ibis*, 1881, p. 208 (Malta); *Reid, Str. F.* x. p. 65 (1881: Lucknow); *Davidson, t. c.* p. 319 (1882: W. Khandeish); *Swinh. & Barnes, Ibis*, 1885, p. 132 (Kerbulla); *Gigl. Avif. Ital.* p. 375 (1886: Malta); *id. 1st Resoc.* p. 576 (1889).

Adult male. General colour above brown, with a shade of glossy

lilac on the back, scapulars, and lesser wing-coverts, the latter being like the back; median wing-coverts ashy, with a broad white tip, preceded by a black bar, wider on the outer web; greater wing-coverts white, the outermost entirely so, the inner ones ashy grey at the base, with a black transverse mark across the outer web bastard-wing, primary-coverts, and quills black; the secondaries pure white, the outer ones with a sub-terminal black band or a black mark on the outer web; the inner secondaries with a grey base and a black sub-terminal mark or band, the innermost secondaries like the back; upper tail-coverts and tail pure white; crown of head light brown like the back; base of forehead and an indistinct eye-brow isabelline white; lores, sides of face, and cheeks ashy brown; throat white; sides of neck and fore-neck ashy brown; chest and breast pale slaty grey, the feathers with whitish margins; abdomen and under tail-coverts pale vinous isabelline, the latter shading off into white; sides of body, under wing-coverts, and axillaries pure white; quills below black: "bill black; feet pale yellow; iris light red, with a tinge of orange" (*G. E. Shelley.*) Total length 10·5 inches, culmen 1·25, wing 6·9, tail 2·9, tarsus 2·8.

Adult female. Similar to the male in plumage, but smaller. Total length 10·5 inches, culmen 1·3, wing 6·7, tail 2·7, tarsus 2·55.

Hab. From South-eastern Europe to Turkestan, Egypt, and Nubia; wintering in Southern Afghanistan and N.W. India.

a–d.	♂ ♀ ad. ak.	Egypt, Feb. (*G. E. Shelley*).	Seebohm Coll.
e.	♀ ad. ak.	Alexandria, Dec. 14 (*Stafford Allen*).	Seebohm Coll.
f, g.	♂ ♀ ad. ak.	Damietta, Feb. 21.	Captain Shelley [P.].
h.	Ad. ak.	Suakin.	Captain R. H. Penton [P.].
i.	♀ ad. ak.	Hor Tamanib, Nubia (*J. K. Lord*).	Seebohm Coll.
k, l.	♂ ♀ ad. ak.	Marshes of Babylonia (*Commander Jones*).	India Museum.
m.	♀ ad. ak.	Shiraz Lake, S. Persia, June 8.	W. T. Blanford, Esq. [P.].
n.	Ad. ak.	Turkestan (*Russow*).	Seebohm Coll.
o, p.	Ad. ak.	Kashgar (*Dr. Bellew*).	India Museum.
q.	Imm. ak.	India (*W. Ewer*).	Gould Coll.
r, s.	♂ ♀ ad. ak.	Candahar, Dec., March.	Colonel Swinhoe [P.].
t.	♀ ad. ak.	Jalk, Baluchistan, March 11.	W. T. Blanford, Esq. [P.].
u, v.	♂ ♀ ad. ak.	Sindh, Jan. (*A. O. H.*).	Hume Coll.
w.	♀ ad. ak.	Cumba, Upper Sind, Jan. (*A. O. H.*).	Hume Coll.
x.	♂ ad. ak.	Manchur Lake, Feb. 9 (*A. O. H.*).	Hume Coll.
y, z.	Ad. ak.	Loodiana (*Griffith*).	India Museum.
a'.	Ad. ak.	Sambhur Lake (*R. M. Adam*).	Hume Coll.

b'–f'. ♂ ♀ ad. sk.	Sultanpur, Gurgaon Distr., Oct. Dec., Feb. (*A. O. H. & W. N. Chill*).	Hume Coll.
g'. ♀ ad.; *h'*. Ad. sk.	Delhi, March (*C. T. Bingham*).	Hume Coll.
i'. Ad. sk.	Sirsa (*A. O. H.*).	Hume Coll.
k'–q'. ♂ ♀ ad. sk.	Etawah, Nov., Jan. (*A. O. H.*).	Hume Coll.
r'–t'. ♀ ad. sk.	Futtehghur Distr., Nov. (*A. Anderson*).	Seebohm Coll.
u', v'. Ad. sk.	Mogul Serai, Oudh, Nov. to Jan.	Hume Coll.
w', x'. Ad. sk.	Oudh.	Pinwill Coll.
y'. ♀ ad. sk.	Darjeeling (*Colonel Sharpe*).	Seebohm Coll.
z'. ♀ ad. sk.	Dinapur, Feb. (*W. E. Brooks*).	Hume Coll.
a''. ♂ ad. sk.	Depalpur, Jan. 5.	Colonel Swinhoe [P.].
b''–d''. ♂ ♀ ad. sk.	Nandurbar, W. Kandeish, Dec. 18 (*J. Davidson*).	Hume Coll.

21. CHÆTUSIA*.

	Type.
Chætusia, *Bp. Iconogr. Faun. Ital., Ucc. Intr.* p. 17 (1841)	C. gregaria.

Range. From South-eastern Europe, east to Turkestan and the Altai Mountains, south to N.E. Africa and the Indian peninsula.

1. Chætusia gregaria.

Charadrius gregarius, *Pall. Reis. Russ. Reichs*, i. p. 456 (1771: Volga); *Gm. Syst. Nat.* i. p. 684 (1788); *Eversm. Reis. Orenb. nach Buchara*, p. 136 (1823: Steppes north of the Aral); *Licht. Verz. Doubl.* p. 70 (1823); *Nordm. in Démid. Voy. Russ. Mérid.* iii. p. 235, tab. iii. (1840: Steppes of Black Sea, Crimea); *Bree, B. Eur.* iv. p. 162 (1875).

Tringa fasciata, *S. G. Gmelin, Reis. Russl.* i. p. 194, tab. 26 (1774: Astrakhan; Upper Volga).

Tringa keptuschka, *Lepech. Togeb. Reis. Russl. Reichs*, i. p. 229, footnote *b* (1774: *teste Dresser*).

Gregarious Plover, *Lath. Gen. Syn.* iii. pt. 1, p. 206 (1785).

Charadrius keptuschka, *Wagl. Syst. Av.*, Charadrius, p. 73, sp. 45 (1827).

Vanellus coronatus (*nec Linn.*), *Rüpp. Syst. Uebers.* p. 117 (1845); *Heugl. Syst. Uebers.* p. 55 (1856); *Brehm, J. f. O.* 1857, p. 383.

Black-sided Sandpiper, *Gray in Hardw. Ill. Ind. Zool.* i. pl. 50 (1835: Cawnpore).

Vanellus keptuschka, *Gould, B. Eur.* iv. pl. 292 (1837); *Temm. Man. d'Orn.* iv. p. 360 (1840); *Werner, Atlas, Gralles*, pl. 463.

Vanellus gregarius, *Bp. Comp. List B. Eur. & N. Amer.* p. 46 (1838); *id. Iconogr. Faun. Ital.* p. 115, tav. 41 (1838); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 450 (1859: Schirolle, near Grenoble); *Wright, Ibis*, 1864, p. 42 (not observed in Malta); *Schl. Mus. Pays-Bas*, Cursores, p. 58 (1865: Lower Volga; Senaar); *Borggr. Vogelf. Norddeutschl.* p. 109 (1869); *Wright, Ibis*, 1869, pp. 251–253 (Malta); *Wyatt, Ibis*, 1870, p. 17 (Sinai); *Severtz. Turkest. Jevotn.* p. 69 (1873); *Seebohm, P. Z. S.* 1888, p. 416; *id. Geogr.*

* *Cf.* Salvad. Ibis, 1888, pp. 320–325, 1890, pp. 124–126.

Distr. Charadr. p. 211 (1888); *Saunders, Man. Brit. B.* p. 537 (1889: Lancashire); *Irby, Key List Brit. B.* 2nd ed. p. 49 (1892).

Vanellus ventralis (*nec Wagl.*), *Jerd. Madr. Journ.* xii. p. 214, no. 366 (1840: *teste Jerdon*).

Chettusia gregaria, *Bp. Iconogr. Faun. Ital. Introd.* p. 17 (1841); *Gray, List Grall. Brit. Mus.* p. 64 (1844); *id. Gen. B.* iii. p. 541 (1847); *Licht. Nomencl. Av. Mus. Berol.* p. 95 (1854: Aral Lake); *Irby, Ibis*, 1861, p. 238 (Oudh, Jan. to March); *Jerd. B. Ind.* iii. p. 644 (1864: Jalna, Deccan; Mhow, C. India; Loodiana); *Degl. et Gerbe, Orn. Eur.* ii. p. 144 (1867); *Fritsch, Vög. Eur.* tab. 33. fig. 11 (1870); *Gray, Hand-l. B.* iii. p. 11, no. 9953 (1871); *Stoliczka, J. A. S. Beng.* xli. p. 250 (1872: Cutch); *Shelley, B. Egypt*, p. 233 (1872: Girgeh-Siout); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 988 (1873: autumn and winter; Kordofan; Takah; Senaar; sandy banks of Rahad and Atbara); *Hume, Str. F.* i. p. 231 (1873); *Adam, t. c.* p. 394 (Sambhur); *Hayes Lloyd, Ibis*, 1873, p. 416 (Kathiawar); *Dresser, B. Eur.* vii. p. 527, pl. 528 (1875); *id. Ibis*, 1876, p. 328; *Butler, Str. F.* iv. p. 12 (1876: Mt. Aboo; Guzerat); *Hume, t. c.* p. 13; *Tacz. Bull. Soc. Zool. France*, ii. p. 155 (1877: Lublin, Sept.); *Butler, Str. F.* v. p. 232 (1877: Deesa); *Davidson & Wenden, Str. F.* vii. p. 88 (1878: Deccan, cold season); *Bogd. B. Cauc.* p. 150 (1879); *Butler, Cat. B. Sind etc.* p. 58 (1879); *Finsch, Verhandl. z.-b. Gesellsch. Wien*, xxix. (1879: Semipalatinsk, May; Steppes of Maitjerek, June); *Hume, Str. F.* viii. p. 112 (1879); *Vidal, Str. F.* ix. p. 82 (1880: Ratnagiri); *Butler, t. c.* p. 426 (Belgaum); *Barnes, t. c.* p. 459 (Chaman); *Butler, Cat. B. S. Bomb. Pres.* p. 73 (1880); *Biddulph, Ibis*, 1881, p. 95; *Scully, t. c.* p. 587 (Gilgit); *Giglioli, Ibis*, 1881, p. 208 (Rome, Nov.); *Reid, Str. F.* x. p. 65 (1881: Lucknow); *Salvin, Cat. Strickl. Coll.* p. 599 (1882); *Seebohm, Ibis*, 1882, p. 221 (Astrakhan, summer); *Davidson, Str. F.* x. p. 319 (1882: Western Khandeish); *Severtz. Ibis*, 1883, p. 74 (Bash-Alai, Sept.); *Bogd. Consp. Av. Imp. Ross.* p. 69 (1884: Steppes of Tchernozém, from 51 53 N. lat.; Crimea; Steppes of the Don, Volga, and Caucasus; N. Aralo-Caspian region; Russian Sungaria); *Radde, Orn. Cauc.* pp. 44, 419 (1884: Ponto-Caspian region; rare in Trans-Caucasia, Chram River, Algetka, and Lenkoran); *Murray, Vertebr. Faun. Sind*, p. 229 (1884); *Zarudn. Bull. Soc. Imp. Nat. Moscou*, 1885, p. 68 (Askhabo, Aug.); *Gigl. Arif. Ital.* p. 375 (1886: Rome; Nice); *Salvad. Elenco Uce. Ital.* p. 208 (1888); *Giglioli, Arif. Ital. 1st Resoc.* p. 576 (1889); *id. 2nd Resoc.* p. 647 (1890); *Brusina, Motr. etc. (Orn. Croat.)* p. 93 (1890); *Sharpe, Sci. Results 2nd Yark. Miss., Aves*, p. 93 (1891: Panjah); *Hartert, Kat. Vogels. Senckenb. Mus.* p. 215 (1891: Schendi).

Chætusia gregaria, *Strickl. P. Z. S.* 1850, p. 221 (Khartoum); *Reichenb. Grall.* Taf. 181. figs. 2430–31, Suppl. xlvii. (cii.) figs. 1048–49 (1852); *Taylor, Ibis*, 1867, p. 68 (Egypt); *Bearan, Ibis*, 1868, p. 389 (Umbala).

Vanellus pallidus, *Heugl. Syst. Uebers.* p. 55 (1856: Steppes of East Senaar and Takah).

Chettusia wagleri, *Gray, Hand-l. B.* iii. p. 11, no. 9954 (1871).

Adult male. General colour above pale ashy brown, the centre of the lower back rather darker; sides of the lower back, lower rump, and upper tail-coverts pure white, as well as the basal two-thirds of the tail, which is tipped with white, before which is a broad band

of black, gradually diminishing in size towards the outer feathers, and entirely disappearing on the two outermost rectrices, which are entirely white; wing-coverts light brown, a little darker than the back, the greater series white, with brown bases; bastard-wing, primary-coverts, and quills black, the secondaries pure white, the innermost light ashy brown like the back; forehead, and a broad superciliary band encircling the nape, creamy white; crown of head and nape black; lores and a streak behind the eye black; below the eye a line of white; cheeks and ear-coverts pale isabelline brown, extending on to the sides of the neck and round the hind-neck, as well as over the throat; lower throat, fore-neck, and breast dark ashy brown or stone-grey; lower breast and abdomen black, with a patch of chestnut on the lower abdomen; lower flanks, thighs, under tail-coverts, under wing-coverts, and axillaries pure white; primaries black below: "bill and feet black; iris dark brown" (*G. E. Shelley*). Total length 12 inches, culmen 1·3, wing 8, tail 3·5, tarsus 2·35.

Adult female. Does not differ from the male in plumage. Total length 12 inches, culmen 1·25, wing 7·8, tail 3·4, tarsus 2·35.

Young. Differs from the adults in being rather darker brown, and in having sandy margins to the feathers of the upper surface; the head brown like the back; lores white; under surface of body white, with no black on the breast or red on the abdomen, and the chest mottled with black edgings to the feathers or by heart-shaped spots in the centre of the latter: "bill black; feet black, very faintly tinged with lake in many specimens, though this colour is scarcely observable; iris blackish or very dark brown" (*E. A. Butler*).

There is no evidence before me that this Plover has any winter plumage, though I have not seen any black-breasted birds killed in the autumn. All the birds in the Museum shot at that time of year appear to be young ones, with remains of sandy margins on the feathers; these are still to be seen as late as February, by which time, however, most of the birds are in full plumage, or are engaged in moulting into it. The females are a little more backward than the males in the moult. See Colonel Butler's remarks (Str. F. iv. p. 13). It is probable that the old birds have sandy-buff margins to the feathers in the winter plumage, as would appear to be the case with the Common Pewit (*Vanellus vanellus*).

Hab. The same as that recorded above for the genus.

a. Ad. sk.	Lower Volga (*Henke*).	Gould Coll.
b, *c*. Ad. sk.	Lower Volga (*Henke*).	Seebohm Coll.
d. Ad. sk.	Trebizond (*Dickson & Ross*).	Gould Coll.
e. Ad. sk.	Mesopotamia (*Commander Jones*).	India Museum.
f, *g*. Ad. sk.	Samarkand.	Seebohm Coll.
ot.	Altai Mountains.	Brandt Coll.
k.	Omsk.	St. George Littledale, Esq. [P.].
.	Steppes of Maiterek, S. Altai, June 4.	Dr. O. Finsch [C.].

m–t. Ad. et juv. sk.	Afghanistan (*Griffith*).	India Museum.
u. Ad. sk.	Peshawar, March 27.	Colonel Way [P.].
v, w. ♂ ♀ ad. sk.	Cumba, Upper Sind, Jan. (*A. O. H.*).	Hume Coll.
x. ♂ imm. sk.	Jacobabad, Oct.	Hume Coll.
y, z. ♀ imm. sk.	Deesa, Oct. 20 (*A. E. Butler*).	Hume Coll.
a', b'. ♂ ♀ imm. sk.	Sambhur, Dec., Oct. (*R. M. Adam*).	Hume Coll.
c', h'. Ad. et imm. sk.	Sirsa, March.	Hume Coll.
i', k'. Ad. sk.	Murdan, Feb., March.	Hume Coll.
l'. Ad. sk.	Ferozepur, Nov. 11 (*A. O. H.*).	Seebohm Coll.
m'. Ad. sk.	Bhawulpur, Feb. (*G. F. L. Marshall*).	Hume Coll.
n'. Juv. sk.	Mozuffurnuggar, Jan. 15 (*G. F. L. Marshall*).	Hume Coll.
o. ♀ ad. sk.	Gilgit, April 7.	Colonel Biddulph [C.].
p'. Ad. sk.	Umbala.	Colonel Marshall [P.].
q', r'. ♂ ♀ imm. sk.	Umbala, Feb., Nov. (*R. C. Beavan*).	Tweeddale Coll.
s'. ♀ imm. sk.	Umbala, Feb. (*Dr. Scott*).	Seebohm Coll.
t'. ♂ ad. sk.	Kalpee, Bundelkund, Feb. 8 (*G. F. L. Marshall*).	Hume Coll.
u', v'. ♂ ♀ ad. et imm. sk.	Sultanpur, Gurgaon, March, Oct. (*W. N. Chill*).	Hume Coll.
x'. ♂ ad. sk.	Gurgaon Distr., Feb. 19 (*A. O. H.*).	Hume Coll.
y'. Ad. sk.	Delhi.	Hume Coll.
z', a². Imm. sk.	Etawah, Nov., Dec.	Hume Coll.
c²–g². ♂ ♀ ad. et imm. sk.	Futtehgurh Distr., Oct., Feb. (*A. Anderson*).	Hume Coll.
h², i². ♂ ♀ ad. sk.	Shada, Khandeish, Feb. (*J. Davidson*).	Hume Coll.
k², l². ♂ ♀ ad. sk.	Ahmednuggar, Feb., March (*S. B. Fairbank*).	Hume Coll.

22. STEPHANIBYX.

Type.

Stephanibyx, *Reichenb. Av. Syst. Nat.* p. xviii (1852). . S. coronatus.

Range. Confined to Africa.

Key to the Species.

a Forehead black; crown black, with a broad line of white encircling it, followed by a broad band of black ..... *coronatus*, p. 178.

b Forehead white; crown uniform ashy or dusky brown.

c. Larger: under wing-coverts entirely white; throat whitish; lower throat ashy grey, followed by a broad band of black on the fore-neck ..... *melanopterus*, p. 180.

b'. Smaller: under wing-coverts white, but the outer ones and the lower primary-coverts

brown; throat whitish; lower throat ashy brown, with a narrow line of blackish on the fore-neck ..... *inornatus*, p. 182.

1. Stephanibyx coronatus.

Pluvier du Cap de Bonne Espérance, *D'Aubent. Pl. Enl.* ix. pl. 800.
Pluvier couronné, *Buff. Hist. Nat. Ois.* viii. p. 101 (1781).
Charadrius coronatus, *Bodd. Tabl. Pl. Enl.* p. 49 (1783); *Gm. Syst. Nat.* i. p. 691 (1788); *Lath. Ind. Orn.* ii. p. 749 (1790); *Bonn. Enc. Méth.* i. p. 19 (1790); *Licht. Verz. Doubl.* p. 70 (1823); *Wagl. Syst. Av.*, Charadrius, p. 56, sp. 5 (1827); *Grill, Zool. Anteckn.* pp. 11, 52 (1859: Georgetown, Knysna).
Black-crowned Plover, *Penn. Arct. Zool.* ii. p. 485 (1785: New York!); *Lath. Gen. Syn.* ii. pt. 1, p. 210 (1785).
Wreathed Plover, *Lath. Gen. Syn.* iii. pt. 1, p. 216 (1785).
Charadrius atricapillus, *Gm. Syst. Nat.* i. p. 686 (1788); *Lath. Ind. Orn.* ii. p. 745 (1790).
Pluvianus coronatus, *Steph. in Shaw's Gen. Zool.* xi. p. 488 (1819).
Chettusia coronata, *Gray, List Grall. Brit. Mus.* p. 64 (1844: Cape Colony); *Cab. in Von der Decken's Reis.* iii. p. 46 (1869); *Finsch & Hartl. Vög. Ostafr.* p. 636 (1870); *Gurney in Anderss. B. Dam. Ld.* p. 268 (1872: Damara and Great Namaqua Lands; Okavango R.; Otjimbinque, resident); *Bocage, Orn. Angola*, p. 426 (1881: Humbe); *Sharpe, in Oates' Matabele-Land*, App. B, p. 325 (1881: Bischof's Farm); *Shelley, Ibis*, 1882, p. 363 (Hart River); *Salvin, Cat. Strickl. Coll.* p. 600 (1882: Damara); *Sharpe, ed. Layard's B. S. Afr.* p. 670 (1884: throughout the Colony, Port Elizabeth, and East London; Brit. Caffraria, to the west of the Fish River; Natal; Transvaal); *Fischer, Zeitschr. ges. Orn.* i. p. 391 (1884: Little Aruscha; Paré; Pangani and Rongo Rivers); *Böhm, J. f. O.* 1885, p. 51; *Fischer, t. c.* p. 116 (Steppes from Paré to Nguruman); *Shelley, Ibis*, 1885, p. 417 (Somaliland); *Oust. Bibl. Haut. Etudes*, xxxi. art. 10, p. 12 (1886: Somaliland); *Reichen. J. f. O.* 1887, p. 47 (Kijungu); *Büttik. Notes Leyd. Mus.* xi. p. 78 (1889: Humpata, Cunene); *Reichen. J. f. O.* 1892, p. 7.
Hoplopterus coronatus, *Gray, Gen. B.* iii. p. 542 (1847); *Blyth, Cat. B. Mus. As. Soc.* p. 260 (1849); *Strickl. & Scl. Contr. Orn.* 1852, p. 159 (Damara-land); *Licht. Nomencl. Av. Mus. Berol.* p. 95 (1854); *Layard, B. S. Afr.* p. 294 (1867: throughout the Colony); *Gray, Hand-l. B.* iii. p. 13, no. 9977 (1871); *Buckley, Ibis*, 1874, p. 387 (Natal); *Barratt, Ibis*, 1876, p. 191 (Transvaal); *Butler, Feilden, & Reid, Zool.* 1882, p. 336 (Estcourt, Nov.).
Ægialitis coronatus, *Reichenb. Grall.* Taf. xcix. fig. 704 (1852).
Stephanibyx coronatus, *Reichenb. Av. Syst. Nat.* p. xviii (1852); *Bp. C. R.* xliii. p. 419 (1856); *Salvad. Ann. Mus. Gen.* (2) i. p. 220 (1884: Daimbi, Shoa).
Vanellus dinghami, *Verreaux, Rev. Zool.* 1855, p. 220.
Stephanibyx dinghami, *Bp. C. R.* xliii. p. 419 (1856).
Vanellus coronatus, *Schl. Mus. Pays-Bas*, Cursores, p. 82 (1865); *Gurney, Ibis*, 1868, p. 49 (Natal); *Ayres, Ibis*, 1869, p. 300 (Transvaal, breeding); *Seebohm, Geogr. Distr. Charadr.* p. 222 (1888); *Reichen. Vög. Deutsch.-Ost-Afr.* p. 35 (1894: Massai-land; Aruscha; Nguruman; Ugogo; Igónda; Unyanyembe; Mpapwa; Bukomé).

Adult male. General colour above brown, including the scapulars

and wing-coverts, the greater series with broad white tips, forming a band on the wing; bastard-wing and primary-coverts black, the inner feathers white; quills black, the primaries white at the base of the inner web, the secondaries white at the base of both webs, increasing towards the inner ones, which are white with a black tip and then become entirely white; the innermost secondaries brown like the back; upper tail-coverts and base of tail pure white, the terminal half of the tail black with a white tip, the black decreasing in extent towards the outer feathers, where it forms a sub-terminal band only; lores and a frontal band black, continued in a broad eyebrow to the nape, where it joins and forms a band, encircling another white band which surrounds a black patch on the top of the head; ear-coverts, sides of neck, fore-neck, and chest ashy brown, darker in the latter, and succeeded by a narrow band of black across the breast; fore part of face and throat whitish; lower breast and abdomen, as well as the under tail-coverts, under wing-coverts, and axillaries, pure white: "bill bright red, except the points of the mandibles, which are horn-coloured; feet bright red, but the toes are tinged with dark purple on the upper surface; iris yellow" (*C. J. Anderson*). Total length 12·5 inches, culmen 1·35, wing 8·4, tail 3·6, tarsus 3.

Adult female. Similar in colour to the male. Total length 11·5 inches, wing 7·7.

Young. Similar to the adults, but browner, and having the feathers of the upper parts barred and margined with sandy buff, before which is a sub-terminal dark bar; crown of head brown, with sandy edges to the feathers, the ring round the coronal patch being sandy buff, white only round the occiput; lower throat and fore-neck ashy brown, strongly washed with sandy buff.

Hab. South Africa, to East Africa as far north as Shoa and Somali-land, on the west to Damara-land.

a.	Ad. sk.	South Africa.	Tweeddale Coll.
b.	Ad. sk.	S.E. Africa.	Lord Lilford [P.Z.
c.	♀ ad. sk.	Eland's Post (*T. C. Atmore*).	Seebohm Coll.
d.	Ad. sk.	Natal (*T. Ayres*).	Tweeddale Coll.
e.	♀ ad. sk.	Natal, Nov. (*T. Ayres*).	Seebohm Coll.
f.	♂ ad. sk.	Natal, May 14 (*T. E. Buckley*).	Shelley Coll.
g.	♂ ad. sk.	Newcastle, Natal, May 18.	Capt. Savile Reid [C.].
h.	♂ ♀ ad. sk.	Burg Mount, Durban, June (*Gordge*).	Seebohm Coll.
i.	Juv. sk.	Elephant River.	Purchased.
k.	♀ ad. sk.	Transvaal (*T. Ayres*).	Seebohm Coll.
m.	♀ juv. sk.	Potchefstroom, Jan. (*T. Ayres*).	Gurney Coll.
n.	♂ ad. sk.	Tati, Matabele-land, March (*F. Oates*).	W. E. & C. G. Oates, Esqrs. [P.Z.
o, *p*, *q*.	♂ ♀ ad. sk.	Damara-land, March, Sept. (*C. J. Andersson*).	Seebohm Coll.
r.	Ad. sk.	Otjimbinque, Damara-land, Aug. 4 (*C. J. Andersson*).	Tweeddale Coll.
s.	Ad. sk.	Shoa (*Sir W. C. Harris*).	India Museum.

2. Stephanibyx melanopterus.

Charadrius melanopterus, *Cretzschm. in Rüpp. Atlas*, p. 46, pl. 31 (1826); *Less. Compl. Buff.* ix. p. 409 (1837); *Rüpp. Syst. Uebers.* p. 118 (1845); *Gray, Gen. B.* iii. p. 544 (1847); *Heugl. Syst. Uebers.* p. 66 (1856); *Hartl. Orn. Westafr.* p. 212, note (1857); *Scl. P. Z. S.* 1866, p. 23 (British Kaffraria).
Charadrius spixii, *Wagler, Syst. Av.*, Charadrius, p. 57, sp. 7 (1827).
Chettusia? melanoptera, *Gray, List Grallæ Brit. Mus.* p. 64 (1844).
Ægialitis melanopterus, *Reichenb. Grall.* Taf. xcix. fig. 705 (1846).
Hoplopterus spixii, *Gray, Gen. B.* iii. p. 542 (1847).
Charadrius frontalis, *Sundev. Œfv. K. Vet.-Akad. Förh. Stockholm*, 1850, p. 110.
Hoplopterus melanopterus, *Licht. Nomencl. Av. Berol.* p. 95 (1854); *Layard, B. S. Afr.* p. 294 (1867: Natal; Mossel Bay); *Gray, Hand-l. B.* iii. p. 13, no. 9978 (1871); *Heugl. Orn. N.O.-Afr.* ii. pt. i. p. 1010 (1871: Mensa; from Hamasien south to Galla-land; not west of Lake Tana); *Hartert, Kat. Vogels. Mus. Senckenb.* p. 216 (1891: Jeddah).
Stephanibyx spixii, *Bp. C. R.* xliii. p. 419 (1856).
Vanellus melanopterus, *Gurney, Ibis*, 1860, p. 217 (Natal); *id. op. cit.* 1862, p. 38; *Bianc. Spec. Zool. Mosamb.* fasc. iv. p. 52 (1865); *Harting, Ibis*, 1869, p. 309; *Seebohm, Ibis*, 1887, p. 344 (Natal); *id. Geogr. Distr. Charadr.* p. 224 (1888).
Vanellus spixii, *Schl. Mus. Pays-Bas*, Cursores, p. 63 (1865).
Chettusia melanoptera, *Blanf. Geol. & Zool. Abyss.* p. 429 (1870: 7000–10,000 feet); *Finsch, Tr. Z. S.* vii. p. 328 (1870); *id. & Hartl. Vög. Ostafr.* p. 638 (1870); *Antin. & Salvad. Viagg. Bogos*, p. 144 (1873: Assus, Samhar); *Sharpe, ed. Layard's B. S. Afr.* p. 669 (1884: Grahamstown; Eland's Post; Pt. Elizabeth; British Kaffraria); *Reichen. J. f. O.* 1887, p. 47 (Ugaia); *Sharpe, Ibis*, 1892, p. 544 (Machako's).
Stephanibyx melanoptera, *Salvad. Ann. Mus. Genov.* (2) i. p. 220 (1884: Shoa); *id. op. cit.* (2) vi. p. 310 (1888: Shoa).
Vanellus inornatus (*nec Swains.*), *Shelley, Ibis*, 1893, p. 29 (Mpimbi), 1894, p. 26 (Tschiromo).

Adult female. General colour above dark brown, with a slight gloss of coppery lilac; lesser and median wing-coverts like the back, the latter tipped with white and having a sub-terminal line of black on the lowest series; the greater coverts pure white, the inner ones brown at the base and finally marked, like the median series, with a sub-terminal line of blackish; bastard-wing brown; primary-coverts and quills black, the outer secondaries white at the base, the white increasing on the adjoining ones till the ends of the outer web only are marked with black; inner secondaries pure white, but the innermost brown like the back; lower back and rump rather more dusky brown than the back; upper tail-coverts and tail pure white, with a broad sub-terminal band of black, followed by a narrow white tip, the black band decreasing in width towards the outer feathers, and even becoming imperfect on the outermost feather; head and neck all round ashy grey, shading off into the brown of the mantle, and becoming darker and more slaty grey on the lower throat and fore-neck, and followed by a distinctly-marked band of blue-black on the chest; chin whitish; lores and a broad frontal

band white: remainder of under surface of body, from the chest downwards, white, including the under wing-coverts and axillaries: "bill black; feet dark scarlet, the toes more dusky; iris pale yellow; eyelids scarlet" (*Th. von Heuglin*). Total length 10 inches, culmen 1·15, wing 8·5, tail 2·75, tarsus 2·3.

Young. Differs from the adult in having the head brown like the back, without any white on the forehead; throat and fore-neck also light brown, followed by an indistinctly-marked band of black on the chest; wings and tail as in the adult.

Hab. From Arabia, Abyssinia, and Shoa south to Nyasa-land and the Eastern Cape Colony.

a. ♂ imm. sk.	Abyssinia.	Seebohm Coll.
b. ♂ ad. sk.	Tekoonda, Tigré, March 4.	W. T. Blanford, Esq. [P.].
c. Ad. sk.	Tschiromo, Nyasa-land, Sept. (*A. Whyte*).	H. H. Johnston, Esq., C.B. [P.].
d. ♂ ad. sk.	Mpimbi, Upper Shiré River, Feb. 20 (*A. Whyte*).	H. H. Johnston, Esq., C.B. [P.].
e. ♂ ad. sk.	Natal (*T. Ayres*).	Seebohm Coll.
f. ♂ ad. sk.	Eland's Post (*T. C. Atmore*).	Sharpe Coll.
g, *h*, *i*. Ad. et imm. sk.	Kingwilliamstown, April, May.	Major Trevelyan [P.].
k. Ad. sk.	Cape Colony, Oct. 6 (*Sir A. Smith*).	Gould Coll.

3. Stephanibyx inornatus.

Vanellus inornatus, *Swains. B. W. Afr.* ii. p. 239 (1837); *Hartl. Orn. W.-Afr.* p. 212 (1857: Gambia; Ashantee; Aguapim; Elmina); *Schl. Mus. Pays-Bas*, Cursores, p. 63 (1865: Elmina); *Buttik. Notes Leyden Mus.* vii. p. 235 (1885: Buluma, W. Liberia), viii. p. 265 (1886); *Seebohm, Ibis*, 1887, p. 350 (Durban); *Buttik. Notes Leyden Mus.* x. p. 100 (1888), xi. p. 130 (1889); *Seebohm, Geogr. Distr. Charadr.* p. 225 (1888: Durban, Natal); *Reichen. Vog. Deutsch.-Ost-Afr.* p. 35 (1894: Ugalla).

Hoplopterus inornatus, *Gray, Gen. B.* iii. p. 542 (1847).

Hoplopterus spinosus, juv.?, *Bp. C. R.* xliii. p. 418 (1856).

Charadrius melanopteroides, *Temm., teste Schl. Mus. Pays-Bas*, Cursores, p. 63 (1865).

Chettusia inornata, *Reichen. J. f. O.* 1864, p. 381 (Gold Coast); *id. J. f. O.* 1877, p. 11 (Loango); *Sharpe & Bouvier, Bull. Soc. Zool. France*, iii. p. 70 (1878: Lower Congo); *Fischer & Reichen. J. f. O.* 1880, p. 130 (Zanzibar, July); *Bocage, Orn. Angola*, p. 425 (1881); *Shelley, P. Z. S.* 1881, p. 598 (Melinda).

Adult. Similar to *S. melanopterus*, but very much smaller, browner, and with an oily-green gloss on the upper parts; head brown like the back, with a small frontal patch of white; lores, sides of face, throat, and fore-neck ashy grey, darker on the fore-neck, and followed by a band of black across the chest; chin and upper throat whitish. The wings are differently coloured to those of *S. melanopterus*, the wing-coverts being brown like the back, with only a narrow white tip to the greater series; the outer secondaries are

white, with brown bases, which decrease in extent towards the inner quills; the tail is similarly coloured to that of *S. melanopterus*, but the black band disappears on the outer feathers, which are entirely white; the under wing-coverts and axillaries are white, but those along the edge of the wing and the lower greater coverts are brown like the lining of the quills, which have no white bases: "bill black; feet reddish brown; iris orange-yellow" (*J. Büttikofer*). Total length 8·5 inches, culmen 0·9, wing 6·5, tail 2·3, tarsus 2·4.

Hab. West Africa, from Liberia to the Loango coast. East Africa, from the Zanzibar district, south to Natal.

a. ♀ ad. sk.	Accra, Gold Coast.	Purchased.
b. Ad. sk.	Accra (*Aubinn*).	Sharpe Coll.

23. SQUATAROLA.

Squatarola, *Leach, Syst. Cat. Mamm. & Birds Brit. Mus.* p. 29 (1816) ..... Type. S. helvetica.

Range. Almost cosmopolitan.

1. Squatarola helvetica.

The Grey Plover, *Albin, Nat. Hist. B.* i. p. 72, pl. 76 (1738); *Yarrell, Brit. B.* ii. p. 413 (1843).

Le Vanneau gris, *Briss. Orn.* v. p. 100, pl. ix. fig. 1 (1760); *D'Aubent. Pl. Enl.* viii. pl. 854.

Le Vanneau varié, *Briss. Orn.* v. p. 103, pl. ix. fig. 2 (1760); *D'Aubent. Pl. Enl.* viii. pl. 923.

Le Vanneau de Suisse, *Briss. Orn.* v. p. 106, pl. x. fig. 1 (1760); *D'Aubent. Pl. Enl.* viii. pl. 853; *Buff. Hist. Nat. Ois.* viii. p. 60 (1781).

Tringa helvetica, *Linn. Syst. Nat.* i. p. 250 (1766); *Gm. Syst. Nat.* i. p. 676 (1788).

Tringa varia, *Linn. Syst. Nat.* i. p. 252 (1766); *Gm. Syst. Nat.* i. p. 682 (1788).

Tringa squatarola, *Linn. Syst. Nat.* i. p. 252 (1766); *Scop. Ann. I.* p. 101 (1769); *Gm. Syst. Nat.* i. p. 682 (1788); *Chapm. Trav. S. Afr.* ii. p. 416 (1868).

Charadrius hypomelas, *Pall. Reis. Russ. Reichs*, iii. p. 699 (1773); *Wagl. Syst. Av.*, Charadrius, p. 71, sp. 43 (1827).

Le Vanneau-Pluvier, *Buff. Hist. Nat. Ois.* viii. p. 68 (1781).

Swiss Sandpiper, *Lath. Gen. Syn.* iii. pt. 1, p. 167 (1785).

Grey Sandpiper, *Lath. t. c.* p. 168.

Grey Sandpiper, var. A, *Lath. t. c.* p. 169.

Charadrius nævius, *Gm. Syst. Nat.* i. p. 692 (1788); *Less. Man. d'Orn.* ii. p. 324 (1828).

Vanellus melanogaster, *Bechst. Naturg. Deutschl.* iv. p. 356 (1809); *Temm. Man. d'Orn.* ii. p. 547 (1820); *Horsf. Trans. Linn. Soc.* xiii. p. 186 (1821); *Werner, Atlas, Coureurs*, pl. 15 (1827); *Swains. Faun. Bor.-Amer., Birds*, p. 370 (1831: Hudson's Bay); *Holboell, Orn. Beitr. Faun. Grœnl.* p. 37 (1846); *Crespon, Orn. Gard*, p. 367 (1840); *Fallon, Ois. Belg.* p. 153 (1875).

Charadrius hypomelanus, *Pall. Zoogr. Rosso-Asiat.* ii. p. 138 (1811); *Nordm. in Demid. Voy. Russ. Mérid.* iii. p. 235 (1840).

Charadrius pardela, *Pall. Zoogr. Rosso-Asiat.* ii. p. 142 (1811).

Charadrius apricarius (*nec L.*), *Wils. Amer. Orn.* vii. p. 41, pl. 57. fig. 4 (1814).

Squatarola grisea, *Leach, Syst. Cat. Mamm. &c. Brit. Mus.* p. 29 (1816: Bristol); *Less. Traité d'Orn.* p. 543 (1831); *Olphe-Galliard, Contr. Faun. Orn. Eur. Occid.* fasc. xiii. p. 5 (1890).

Squatarola squatarola, *Cur. Règne An.* i. p. 467 (1817); *Less. Man. d'Orn.* ii. p. 308 (1828).

Van llus helveticus, *Vieill. N. Dict. d'Hist. Nat.* xxxv. p. 215 (1819); *id. Enc. Méth.* iii. p. 1077 (1823); *Roux, Orn. Prov.* pl. 279 (1825); *Jamb. et Barth.-Lapomm. Rich. Orn.* p. 440 (1859); *Wright, Ibis*, 1864, p. 142 (Malta, spring and autumn).

Squatarola varia, *Boie, Isis*, 1822, p. 558; *Brehm, Vög. Deutschl.* p. 553 (1831); *id. Vogelf.* p. 284 (1855); *Gurney in Anderss. B. Dam. Ld.* p. 270 (1872); *Hartl. Vög. Madag.* p. 280 (1877).

Charadrius helveticus, *Licht. Verz. Doubl.* p. 70 (1823); *Audub. B. Amer.* pl. ccexxxiv. (c. 1826); *id. Orn. Biogr.* iv. p. 280 (1838); *id. B. Amer.* 8vo, v. p. 199, pl. 315 (1842); *Nordm. J. f. O.* 1858, p. 311 (Kajana, below 64° N.); *Collett, Overs. Christ. Omegns Orn. Faun.* p. 179 (1884); *Seebohm, Ibis*, 1882, p. 222 (Astrakhan); *id. t. c.* p. 390 (Archangel); *id. Ibis*, 1883, p. 28 (Caucasus); *Tristr. Faun. & Flor. Palest.* p. 129 (1884: S. of Beyrout); *Seebohm, Hist. Brit. B.* iii. p. 44 (1885); *id. Geogr. Distr. Charadr.* p. 102 (1888); *id. Ibis*, 1888, p. 347 (Great Liakoff Isl., June); *Ramsay, Tab. List Austr. B.* p. 19 (1888: Richmond and Clarence Rivers; Victoria; S. Australia; Tasmania; W. Australia); *Whitehead, Ibis*, 1890, p. 59 (Palawan, Oct.); *Seebohm, B. Japan. Emp.* p. 304 (1890); *Campbell, Ibis*, 1892, p. 246 (Corea).

Squatarola cinerea, *Fleming, Brit. Anim.* p. 111 (1828); *Gould, B. Eur.* iv. pl. 280 (1837); *Hodgs. Icon. ined. in Brit. Mus., Grall.* pl. 47. no. 672; *id. in Gray's Zool. Misc.* p. 86 (1844); *Thomps. B. Irel.* ii. p. 106 (1850); *R. Gray, B. West Scotl.* p. 262 (1871); *Saxby, B. Shetl.* p. 187 (1884).

Squatarola helvetica, *Brehm, Vög. Deutschl.* p. 554 (1831); *Bp. Comp. List B. Eur. & N. Amer.* p. 40 (1838); *Keys. & Blas. Wirb. Eur.* pp. lxx, 207 (1840); *Selys-Longch. Faun. Belg.* p. 121 (1842); *Mühle, Beitr. Orn. Griechenl.* p. 95 (1844); *Gray, List Gralle Brit. Mus.* p. 62 (1844); *id. Cat. Mamm. etc. Nepal pres. Hodgs.* p. 131 (1846); *Gosse, B. Jamaica*, p. 333 (1847); *Gray, Gen. B.* iii. p. 543 (1847); *Gould, B. Austr.* vi. pl. 12 (1848); *Blyth, Cat. B. Mus. As. Soc.* p. 262 (1849: Calcutta); *Strickl. P. Z. S.* 1850, p. 230 (Kordofan); *Reichenb. Vog. Neuhall.* no. 549 (1851); *id. Grall.* Taf. ci. figs. 673-675 (1852); *Sel. Contr. Orn.* 1852, p. 126 (Red Sea); *Strickl. & Sel. t. c.* p. 158 (Damara-land); *Kjærb. Dansm. Fugle*, pl. xxx. fig. 3 (1852); *Wallengr. Naum.* 1853, p. 87, 1854, p. 249 (Scandinavia); *Motl. & Dillw. Contr. Nat. Hist. Labuan*, p. 56 (1855); *Heugl. Syst. Uebers.* p. 55 (1856); *Hartl. Orn. West-Afr.* pp. 213, 275 (1857: Ashanti); *Baird, B. N. Amer.* p. 697 (1858); *Bryant, Proc. Boat. Soc. Nat. Hist* vii. p. 121 (1859: Bahamas); *Schrenck, Reis. Amurl.* p. 469 (1859); *Linderm. Vog. Griechenl.* p. 133 (1860); *Swinhoe, Ibis*, 1860, p. 63 (Amoy); *Newt. t. c.* p. 201 (Mauritius); *Pucya, t. c.* p. 330 (Epirus and Corfu); *Gray, P. Z. S.* 1860, p. 363 (Halmahera); *Hartl. Faun. Madagasc.* p. 72 (1861); *id. J. f. O.* 1861,

p. 268 (Senegal); *Reinhardt, Ibis*, 1861, p. 9 (Greenland); *Swinhoe, t. c.* pp. 51, 342 (Canton; Pekin); *Newton, P. Z. S.* 1861, p. 398, pl. 39. fig. 2 (egg); *Albrecht, J. f. O.* 1862, p. 205 (Jamaica); *Gray, List Brit. B.* p. 138 (1863); *Blakist. Ibis*, 1863, p. 130 (Hudson's Bay); *Swinh. t. c.* p. 404 (Formosa); *id. P. Z. S.* 1863, p. 309 (China); *Radde, Reis. Sibir., Vög.* p. 322 (1863); *Sundev. Sv. Fogl.* pl. 36. fig. 4 (1856–72); *March, Proc. Philad. Acad.* 1864, p. 66 (Jamaica); *Scl. P. Z. S.* 1864, p. 178 (Mexico); *Jerd. B. Ind.* iii. p. 635 (1864); *Sperling, Ibis*, 1864, p. 286 (Mediterranean, winter); *Nordm. J. f. O.* 1864, p. 372 (Lapland); *Salvad. J. f. O.* 1865, p. 284 (Sardinia); *Salvin, Ibis*, 1865, p. 190 (Guatemala); *Gurney, t. c.* p. 271 (Monocusi River); *Gould, Handb. B. Austr.* ii. p. 224 (1865); *Gundl. Repert. Fisico-Nat. Cuba*, i. p. 358 (1866); *Lawr. Ann. Lyc. N. Y.* viii. p. 295 (1866: New York); *Dresser, Ibis*, 1866, p. 34 (Texas); *Salvin, t. c.* p. 196 (Chiapam); *Loche, Expl. Sci. Algér., Ois.* ii. p. 260 (1867); *Baird, Ibis*, 1867, p. 286; *Newt. t. c.* p. 359 (Seychelles); *Drake, t. c.* p. 429 (Marocco); *Hartl. P. Z. S.* 1867, p. 359 (Zanzibar); *Layard, B. S. Afr.* p. 295 (1867); *Grandid. Rev. et Mag. de Zool.* 1867, p. 419 (E. Coast Madagascar); *Sperling, Ibis*, 1868, p. 291 (Zanzibar); *Tristr. t. c.* p. 322 (Palestine); *Smith, t. c.* p. 453 (Portugal); *Collett, Norges Fugle*, p. 48 (1868); *Dyb. & Parvex, J. f. O.* 1868, p. 337 (Darasun); *Borggr. Vogelf. Norddeutschl.* p. 109 (1869); *Doderl. Avif. Sicil.* p. 177 (1869); *Droste, Vogelw. Borkum*, p. 141 (1869); *Saunders, Ibis*, 1869, p. 173 (Spain); *Dall & Bann. Trans. Chic. Acad.* i. p. 290 (1869: Yukon River, breeding); *Cab. in von der Decken's Reise*, iii. p. 46 (1869); *Elwes & Buckley, Ibis*, 1870, p. 330 (Turkey); *Fritsch, Vög. Eur.* tab. 38. figs. 7, 8 (1870); *Swinh. Ibis*, 1870, p. 360 (Hainan, March); *Saunders, Ibis*, 1871, p. 386 (Malaga, May); *Fritsch, J. f. O.* 1871, p. 383 (Bohemia); *Salvad. Faun. Ital., Ucc.* p. 202 (1871); *Harting, P. Z. S.* 1871, p. 117 (Arctic America); *Swinh. t. c.* p. 403 (Coast of China in winter); *Pelz. Orn. Bras.* pp. 296, 454 (1871: Cajutuba); *Gray, Hand-l. B.* iii. p. 13, no. 9980 (1871); *Dresser, B. Eur.* vii. p. 455, pls. 515. fig. 2, 517. fig. 2, 518. fig. 2 (1871), App. p. 465, pl. 519. fig. 1 (1876); *Wald. & Layard, Ibis*, 1872, p. 105 (Negros, March); *Coues, Key N. Amer. B.* p. 243 (1872); *Harting, Handb. Brit. B.* p. 43 (1872); *Feilden, Zool.* 1872, p. 3245 (Faeroes); *Gould, B. Gt. Brit.* iv. pls. 36, 37 (1872); *Tacz. J. f. O.* 1872, p. 101 (East Siberia, May to Sept.); *Shelley, B. Egypt*, p. 236 (1872); *Alston & Harvie-Brown, Ibis*, 1873, p. 67 (Archangel, June); *Brooke, t. c.* p. 337 (Sardinia, winter); *Scl. & Salv. Nomencl. Av. Neotrop.* p. 142 (1873); *Hume, Str. F.* i. p. 228 (1873: Karachi); *Wald. Ibis*, 1874, p. 146 (Andamans); *Hume, Str. F.* ii. p. 287 (1874: Andamans); *Coues, B. N.-West*, p. 448 (1874: critical); *Durnf. Ibis*, 1874, p. 398 (N. Frisian Isl.); *Salvad. Ucc. Born.* p. 313 (1874); *Lawr. Journ. Bost. Soc. N. H.* ii. p. 307 (1874: Mazatlan); *Danf. & Harvie-Brown, Ibis*, 1875, p. 419 (Transylvania); *Swinh. t. c.* p. 452 (Hakodadi); *Blyth & Wald. B. Burm.* p. 153 (1875: Arakan; Tonghoo); *Gundl. J. f. O.* 1875, p. 232 (Cuba); *Wald. Trans. Zool. Soc.* ix. p. 226 (1875: Philippines); *Irby, Orn. Straits Gibr.* p. 159 (1875); *Hume, Str. F.* iv. p. 11 (1876: Karachi); *Scully, t. c.* p. 184 (Kashgar); *Legge, t. c.* p. 245 (Ceylon); *Fairb. t. c.* p. 262 (Deccan); *Armstrong, t. c.* p. 338 (Elephant Point; China-Ba-Keer); *Gundl. Orn. Cubana*, p. 180 (1876: Cuba; Jamaica; Barbados); *Seebohm & Harvie-Brown,*

Ibis, 1876, p. 222, pl. v. eggs (Lower Petchora); *Dresser, t. c.* p. 327; *Blanf. East. Persia*, ii. p. 278 (1876: Gwadar, Baluchistan); *Tacz. Bull. Soc. Zool. France*, i. p. 249 (1876: E. Siberia); *id. op. cit.* ii. p. 155 (1877: Poland); *David et Oust. Ois. Chine*, p. 424 (1877); *Butler, Str. F.* v. p. 222 (1877: Mandavee, Coast of Cutch); *Tweedd. P. Z. S.* 1877, p. 838 (Placer; S. Leyte); *Sharpe, Journ. Linn. Soc., Zool.* xiii. p. 320 (1877: Yule Isl.); *Salvad. Ann. Mus. Gen.* x. p. 163 (1877: Emberbaki); *Tacz. P. Z. S.* 1877, p. 330 (Chimbote, Peru); *Streets, Bull. U.S. Nat. Mus.* no. 7, p. 16 (1877: San Gerónimo Isl.); *Reid, Zool.* 1877, p. 474 (Bermudas, autumn); *Oust. Bull. Soc. Philomath.* 1878, p. 181 (Seychelles); *Ramsay, Proc. Linn. Soc. N. S. W.* iii. p. 207 (1878: Port Moresby); *Hume & Davison, Str. F.* vi. p. 455 (1878: Tenasserim); *Davidson & Wenden, Str. F.* vii. p. 95 (1878: Deccan); *Hume, t. c.* p. 482 (Calcutta); *Gundl. J. f. O.* 1878, pp. 162, 188 (Porto Rico); *Lawr. Proc. U.S. Nat. Mus.* i. p. 179 (1878: St. Vincent); *Blakiston & Pryer, Ibis*, 1878, p. 210 (Yezo); *Boyd. B. Cauc.* p. 151 (1879); *Finsch, Verh. z.-b. ges. Wien*, xxix. p. 243 (1879: Omsk); *Maynard, B. East. N. Amer.* p. 357 (1879); *Hume, Str. F.* viii. p. 112 (1879); *Tirant, Bull. Com. et Agric. Cochin-Chine*, (3) i. p. 147 (1879); *Sharpe, Ibis*, 1879, p. 270 (Moera Isl., Borneo); *Butler, Cat. B. Sind etc.* p. 57 (1879); *Ramsay, Proc. Linn. Soc. N. S. W.* iv. p. 101 (1879: S. Cape; Duke of York Group; Solomon Is.); *Gigl. Iconogr. Arif. Ital.* fasc. vii. (1880); *Butler, Cat. B. S. Bomb. Pres.* p. 72 (1880); *Vidal, Str. F.* ix. p. 79 (1880: S. Konkan); *Hume, t. c.* p. 118 (Malay Peninsula); *Legge, B. Ceylon*, iii. p. 929 (1880); *Cory, B. Bahamas*, p. 114 (1880); *A. & E. Newton, Handb. B. Jamaica*, p. 115 (1881); *Butler, Str. F.* ix. p. 425 (1881: Ratnagiri); *Sharpe, P. Z. S.* 1881, p. 800 (Sandakan); *Bocage, Orn. Angola*, p. 429 (1881: Rio Coroca, Mossamedes); *Salvad. Ann. Mus. Gen.* xviii. p. 324 (1882); *id. Orn. Pap.* iii. p. 293 (1882); *Kelham, Ibis*, 1882, p. 7 (Malay Peninsula, Oct. to March); *Blakiston & Pryer, B. Japan*, p. 108 (1882: Yezo; Yokohama); *Zeledon, Cat. Aves Costa Rica*, p. 30 (1882); *Coues, Check-l. N. Amer. B.* p. 98 (1882); *B. O. U. List Brit. B.* p. 158 (1883); *Saunders, ed. Yarrell's Brit. B.* iii. p. 278 (1883); *Irby, Ibis*, 1883, p. 187 (Santander, May, June, Nov.); *Stearns, Proc. U.S. Nat. Mus.* vi. p. 118 (1883: Labrador, spring and autumn); *Oates, Handb. B. Brit. Burm.* ii. p. 385 (1883); *Vorderm. Nat. Tijdschr. Nederl. Ind.* xliii. p. 120 (1883); *Nelson, Cruise 'Corwin,'* p. 84 (1883: Bering Sea, May); *Sharpe, ed. Layard's B. S. Afr.* p. 658 (1884); *Vorderm. Nat. Tijdschr. Nederl. Ind* xliv. p. 204 (1884: Java); *Coues, Key N. Amer. B.* 2nd ed. p. 588 (1884); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 132 (1884); *Blakist. Amended List B. Jap.* p. 11 (1884: Japan generally); *Boyd. Consp. Av. Imp. Ross.* p. 70 (1884); *Radde, Orn. Cauc.* pp. 43, 414 (1884; Lenkoran); *Murray, Vertebr. Faun. Sind*, p. 224 (1884); *Reid, Ibis*, 1885, p. 253 (Morocco, winter); *Murdoch, Rep. Exped. Point Barrow*, p. 109 (1885: rare); *Cory, B. West Ind.* p. 25 (1885); *Wells, List B. Grenada*, p. 7 (1886); *Gigl. Arif. Ital.* p. 370 (1886); *Sharpe, Ibis*, 1886, p. 167 (Muscat); *Salvad. Elenco Ucc. Ital.* p. 209 (1886); *Tacz. Orn. Perou*, iii. p. 338 (1886); *Vorderm. Nat. Tijdschr. Nederl. Ind.* xlvi. Afl. 3, p. 21 (1886: Borneo); *Pleske, Uebers. Samm. und Vogel Kola-Halb.* p. 323 (1886); *Reid, Str. F.* x. p. 452 (1887: Lucknow); *Berlepsch, J. f. O.* 1887, p. 153 (Paraguay); *Tait, Ibis*, 1887, p. 380 (Portugal, winter)

Lloyd, Auk, iv. p. 186 (1887: W. Texas); *Gigl. & Salvad. P. Z. S.* 1887, p. 885 (Olga Bay, Sept.; Gensan, Aug.; Corea); *Buckley & Harvie-Brown, Vertebr. Faun. Outer Hebrides*, p. 124 (1888: occasional); *Koenig, J. f. O.* 1888, p. 270 (Tunis); *Taez. P. Z. S.* 1888, p. 456 (Séoul, Corea); *E. Newt. Tr. Norf. & Norw. Soc.* iv. p. 552 (1888: Réunion; Mauritius; Seychelles); *Salvad. & Gigl. Mem. R. Accad. Torino*, xxxix. p. 114 (1888: Olga Bay), p. 139 (Corea); *Everett, Journ. Straits Branch As. Soc.* 1889, p. 204; *id. P. Z. S.* 1889, p. 225; *Vorderm. Nat. Tijdschr. Nederl. Ind.* xlix. p. 415 (1889: Sumatra); *Feilden, Ibis*, 1889, p. 490 (Barbados); *Saunders, Man. Brit. B.* p. 535 (1889); *Gigl. Avif. Ital.*, 1*st Resoc.* p. 567 (1889), 2*nd Resoc.* p. 661 (1890), 3*rd Resoc.* p. 516 (1891); *Koenig, J. f. O.* 1890, p. 312 (Madeira); *Heine & Reichen. Nomencl. Mus. Hein.* p. 335 (1890); *Sharpe, Ibis*, 1890, pp. 141, 284 (Labuan); *Steere, List B. & Mamm. Exped. Philipp.* p. 25 (1890: Siquijor); *Buckley & Harvie-Brown, Vertebr. Faun. Orkney Is.* p. 202 (1891: occasional); *Sharpe, Ibis*, 1891, p. 113 (Fao, Sept., Oct.); *Payton, t. c.* p. 465 (Mogador); *Sharpe, Sci. Res. 2nd Yark. Miss., Aves*, p. 136 (1891: Kashgar, Nov.); *Frivaldsky, Av. Hung.* p. 121 (1891); *Hagerup, B. Greenl.* p. 56 (1891); *Salvad. Agg. Orn. Pap.* iii. p. 200 (1891); *Irby, Key List Brit. B.* 2nd ed. p. 47 (1892); *Sibree, Ibis*, 1892, p. 115 (Madagascar); *Rendall, t. c.* p. 229 (Gambia); *De la Touche, t. c.* p. 496 (Foochow and Swatow); *Hartl. Abh. nat. Ver. Bremen*, xii. p. 331 (1892: Hainan); *Legge, Proc. Austr. Assoc. Advanc. Sci.* 1892, p. 30 (Tasmania); *Buckley & Harvie-Brown, Vertebr. Faun. Argyll & Inner Hebr.* p. 164 (1892); *Barnes, Ibis*, 1893, pp. 169, 181 (Aden); *Meade-Waldo, t. c.* p. 203 (Canary Is., winter); *Hose, t. c.* p. 424 (Borneo, winter); *Koenig, J. f. O.* 1893, p. 83 (Tunis); *Blaauw, Notes Leyd. Mus.* xv. p. 225 (1893: Holland, spring and autumn).

Charadrius squatarola, *Naum. Vög. Deutschl.* vii. p. 249, pl. 178 (1834); *Brewer, Proc. Bost. Soc. N. H.* vii. p. 308 (1860: Cuba); *Finsch, Neu-Guinea*, p. 181 (1865); *Severtz. Turkest. Jevotn.* p. 69 (1873: migrant); *Zeledon, Proc. U.S. Nat. Mus.* vi. p. 113 (1883: Costa Rica); *Everm. Auk*, iii. p. 92 (1886: Ventura Co., Cal.); *Seton, t. c.* p. 152 (West. Manitoba); *Smith, t. c.* p. 285 (Colorado); *Turner, Contr. Nat. Hist. Alaska*, p. 149 (1886: St. Michael's, June to Sept.); *A. O. U. Check-l. N. Amer. B.* p. 160 (1886); *Ridgw. Man. N. Amer. B.* p. 173 (1887); *Nelson, Rep. Coll. Nat. Hist. Alaska*, p. 122 (1887: R. Yukon, May); *Stejn. Proc. U.S. Nat. Mus.* x. p. 126 (1887: Commander Is.); *Towns. t. c.* p. 198 (California); *Stejn. t. c.* p. 394 (Liu Kiu Isl.); *Merriam, Auk*, v. p. 110 (1888); *Stejn. Bull. U.S. Nat. Mus.* no. 29, p. 104 (1888: Bering Isl.); *Cory, B. West Ind.* p. 227 (1889); *Scott, Auk*, xi. p. 158 (1889: Florida); *Warren, B. Pennsylv.* 2nd ed. p. 97 (1890); *Eagle Clarke, Auk*, vii. p. 321 (1890: Hudson's Bay); *Ralph & Bagg, t. c.* p. 230 (New York); *Thomps. Proc. U.S. Nat. Mus.* xiii. p. 506 (1890: Manitoba); *Macfarlane, op. cit.* xiv. p. 429 (1891: Franklin Bay, breeding); *Gätke, Vogelw. Helgol.* p. 486 (1891); *Northrop, Auk*, viii. p. 76 (1891: Andros Isl.); *Schalow, J. f. O.* 1891, p. 259 (Sitka; Aleutian Is.); *Seebohm, Ibis*, 1892, p. 23 (Heligoland); *Cory, Cat. B. West Ind.* p. 94 (1892); *Scott, Auk*, ix. p. 14 (1892: Jamaica); *Mackay, t. c.* p. 143 (Massachusetts); *Scott, t. c.* p. 212 (Florida); *Mackay, t. c.* p. 306 (Cape Cod); *Anthony, t. c.* p. 360 (S.W. Mexico); *Mackay, Auk*, x. p. 79 (1893: Prince Edward

Isl.); *Reichen. Jahrb. Hamburg. Wissensch.* 1893, p. 6 (Zanzibar); *id. Vig. Deutsch.-Ost-Afr.* p. 33 (1894: E. African coast).

Vanellus griseus, *Jenyns, Man. Brit. Vertebr.* p. 181 (1835).

Vanellus squatarolus, *D'Orbign. in Ramon de la Sagra, Hist. Nat.* p. 242 (1839); *Schl. Rev. Crit.* p. lxxxiv (1844); *Temm. & Schl. Faun. Jap.* p. 106 (1845-50); *Schl. Vog. Nederl.* pl. 217 (1854); *id. Dier. Nederl. Vogels.* pl. 21. figs. 11, 12, 12*a* (1861); *Gundl. J. f. O.* 1871, p. 278 (Cuba).

Squatarola melanogaster, *Malherbe, Faun. Orn. Sicil.* p. 166 (1840).

Charadrius (Squatarola) squatarola, *Middend. Reise Sibir., Zool.* p. 200, pl. xix. fig. 1 (1851: egg).

Pluvialis squatarola, *Macgill. Brit. B.* iv. p. 86 (1852).

Squatarola helvetica australis, *Reichenb. Grall. Norit.* tab. 178. figs. 2883-84 (1852).

Squatarola wilsoni, *Licht. Nomencl. Av. Mus. Berol.* p. 95 (1854).

Charadrius longirostris, *Brehm, J. f. O.* 1854, p. 70 (Menzaleh Lake).

Vanellus griseus, *Bolle, J. f. O.* 1855, p. 176 (Canary Is.).

Squatarola megarhynchos, *Brehm, Voyelf.* p. 284 (1855); *Olphe-Gall. Contr. Faun. Orn. Eur. Occid.* fasc. xiii. p. 5 (1880).

Squatarola rhynchomega, *Bp. C. R.* xliii. p. 416 (1856: Abyssinia).

Pluvialis varius, *Schl. Mus. Pays-Bas, Cursores*, p. 53 (1865); *Degl. et Gerbe, Orn. Eur.* ii. p. 127 (1867); *Schl. & Poll. Faune Madag., Ois.* p. 416 (1868); *Rosenb. Malay. Arch.* p. 278 (1878-79: Celebes).

Charadrius varius, *Finsch & Hartl. Vög. Ostafr.* p. 644 (1870); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1012 (1873), App. p. clxxx; *Reichen. J. f. O.* 1877, p. 11 (Loango Coast); *Milne-Edwards & Grandid. Hist. Nat. Madag., Ois.* p. 508 (1882).

Squatarola subtridactyla (*Hasselq.*), *Gray, Hand-l. B.* iii. p. 13, no. 10881 (1871).

Charadrius (Squatarola) helveticus, *Ramsay, Pr. Linn. Soc. N. S. W.* i. p. 187 (1876); *id. op. cit.* ii. p. 197 (1877); *id. Tab. List Austr. B.* p. 19 (1888: nearly the whole of Australia).

Charadrius megalorhynchus, *Reichen. J. f. O.* 1877, p. 11 (Loango).

Squatarola australis, *Olphe-Gall. Contr. Faun, Orn. Eur. Occid.* fasc. xiii. p. 6 (1880).

Adult male in breeding-plumage. General colour above mottled with bars of black and ashy white, the feathers being black, notched with white and broadly tipped with the latter; scapulars and wing-coverts like the back, the greater series edged externally with white, the inner ones distinctly notched with the same; bastard-wing and primary-coverts black, the former slightly, the latter more plainly, tipped with white; quills black, with the shaft white about the middle, the first two primaries white for the greater portion of the inner web, decreasing in extent on the succeeding quills, which also have the median portion of the shaft white, but after the fourth this white shaft is accompanied by an increasing amount of white on the outer web; secondaries brown, with white edges and tips, the bases also white to the inner webs; innermost secondaries resembling the back, and notched with ashy brown and blackish; lower back and rump dusky brown, with white spots and fringes to the feathers; upper tail-coverts and tail-feathers white, barred with black or blackish brown, the bars decreasing towards the outer feathers, where they are broken up into spots on the outer web;

crown of head like the back, but more minutely mottled and more hoary white; forehead and a broad eyebrow white, extending down the sides of the neck, and forming a large patch on the sides of the upper breast; lores, sides of face, ear-coverts, and under surface of body black, excepting the abdomen and under tail-coverts, which are pure white; thighs white, streaked with black; under wing-coverts white; axillaries black, with slightly indicated fringes of brown at the tips; quills below dusky, with white on the inner webs; lower primary-coverts pale ashy: "bill, legs, feet, and claws black; iris dark hazel" (*H. Seebohm*). Total length 10·5 inches, culmen 1·3, wing 8·1, tail 2·9, tarsus 1·8.

Adult female in breeding-plumage. Not so strongly mottled with black on the upper surface as the male, and consequently rather browner, especially on the head; the black on the face and underparts not so much developed, these parts being mottled with irregular black markings. Total length 11 inches, culmen 1·3, wing 8, tail 2·9, tarsus 1·8.

Adult in winter plumage. Differs chiefly from the summer plumage in wanting the black on the face and breast, but, from the absence of the black mottling on the back, the whole upper surface appears more uniform, being ashy brown with narrow whitish edgings to the feathers, before which is a blackish sub-terminal shade; the lores are white, but the base of the forehead is like the crown; a line of white appears above and below the eye, but the white eyebrow is scarcely visible above the ear-coverts, which are dingy blackish; the sides of the face white, streaked with dusky, the throat and underparts pure white, the lower throat and fore-neck being pale ashy brown, slightly mottled with dusky markings; the under wing-coverts are white, except the lower primary-coverts, which are dusky ashy, and the axillaries are *black*.

Young. Like the winter plumage of the adults, and always to be distinguished by the black axillaries, though it is spangled with golden buff on the upper surface, so as to resemble a young Golden Plover (*Charadrius pluvialis*).

Hab. Nearly the whole of the World, breeding in summer on the tundras or barren grounds, and visiting the extreme south of both the Eastern and Western hemispheres in winter.

a. Ad. æstiv. sk.	Great Britain.	Gould Coll.
b. Ad. æstiv. sk.	Great Britain.	Montagu Coll.
c. Juv. sk.	St. Andrew's, N.B., Nov. (*R. G. W. R.*).	Tweeddale Coll.
d. Juv. sk.	Grangemouth, Stirlingshire, Oct.	Tweeddale Coll.
e. ♂ juv. sk.	Lincolnshire.	J. H. Caton-Haigh, Esq. [P.].
f, *g.* Ad. æstiv.; *h.* Ad. hiem.; *i.* Juv. sk.	Cambridgeshire (*O. Salvin*).	Salvin-Godman Coll.
k. ♂ juv. sk.	Yarmouth, Sept. 23.	Seebohm Coll.
l, *m.* ♂ æstiv. sk.	Yarmouth, May (*J. E. Harting*).	Seebohm Coll.

n. ♀ juv. sk.	Pagham Harbour, Oct. 15 (*J. E. H.*).	Gould Coll.
o. ♂ ad.; *p*, *q*. ♀ ad. æstiv. sk.	Pagham Harbour, Aug. (*J. E. H.*).	Seebohm Coll.
r. ♀ ad. sk.	Pagham Harbour, Sept.	Dr. Günther [P.].
s. Ad. æstiv. sk.	Bristol.	Montagu Coll. (Type of *S. grisea*, Leach.)
t. ♀ ad. æstiv. sk.	St. Vigors, near Havre, May (*V. Pluche*).	Seebohm Coll.
u. ♂ ad. æstiv. sk.	Valencia, May 10 (*H. Saunders*).	Tweeddale Coll.
v. ♀ ad. æstiv. sk.	Marocco.	Seebohm Coll.
w, *x*. ♂ juv. sk.	Heligoland, Oct. (*R. B. S.*).	F. Nicholson, Esq. [P.].
y, *z*. ♂ ad. æstiv.; *a*-*c*. ♀ ad. æstiv.	Lower Petchora, June, July (*H. S. & J. A. Harvie-Brown*).	Seebohm Coll.
d. Ad. hiem. sk.	Ancobra River, Gold Coast.	Sir R. Burton & Capt. Cameron [P.].
e. ♂ hiem. sk.	Walvisch Bay, Damara-land Dec. 28 (*C. J. A.*).	Tweeddale Coll.
f. ♂ ad. vix æstiv. sk.	Walvisch Bay, Oct. (*C. J. A.*).	Seebohm Coll.
g. Ad. hiem. sk.	Durban, Natal (*Gordge*).	Seebohm Coll.
h. Ad. hiem. sk.	Cape Colony (*Layard*).	Salvin-Godman Coll.
i. Ad. hiem. sk.	Cape Colony.	Tweeddale Coll.
k, *l*. ♂ ad. æstiv. & hiem.; *m*. Juv. sk.	Fao, Persian Gulf, Sept., Oct.	W. D. Cumming, Esq. [P.].
n, *o*. Juv. sk.	Muscat.	Colonel Mills [P.].
p. Ad. æstiv. sk.	India.	Hardwicke Coll.
q. Ad. æstiv. sk.	India.	Gould Coll.
r. Juv. hiem. sk.	Kutch, Dec. 31 (*F. Stoliczka*).	Hume Coll.
s. Juv. hiem. sk.	Kathiawar, Oct. 19.	Colonel Hayes Lloyd [P.].
t, *u*. ♂ ♀ ad. hiem. sk.	Karachi, March 20 (*E. A. Butler*).	Hume Coll.
v, *w*. ♂ ♀ ad. hiem. sk.	Karachi, Feb. (*A. O. H.*).	Hume Coll.
x. ♂ ad. æstiv. sk.	Sambhur, Sept. (*R. M. Adam*).	Hume Coll.
y. ♀ imm. hiem. sk.	Gurgaon, Dec. 21 (*W. N. Chill*).	Hume Coll
z. Ad. hiem. sk.	Etawah, Dec. 8 (*A. O. H.*).	Hume Coll.
a. Juv. hiem. sk.	Nepal.	Hodgson Coll.
b. ♂ ad. hiem. sk.	Calcutta, Dec. 27 (*A. O. H.*).	Hume Coll.
c. Juv. hiem. sk.	Madras (*R. G. W. R.*).	Tweeddale Coll.
d. ♂ ad. æstiv. sk.	Madras, Sept. 1.	Hume Coll.
e. ♂ ad. hiem. sk.	Colombo, Ceylon, Nov. 29 (*W. V. Legge*).	R. B. Sharpe, Esq. [P.].
f. Ad. hiem. sk.	S. Andamans, Feb. 12 (*R. G. W. R.*).	Tweeddale Coll.
g. ♂ ad. hiem. sk.	Port Mouat, Andamans, Dec. 20 (*W. Davison*).	Hume Coll.
h. ♂ ad. hiem. sk.	Tonghoo, Burmah, Dec. (*R. G. W. R.*).	Tweeddale Coll.

l'', *m''*. ♂ ad. et juv. hiem. sk.	Elephant Point, Dec. (*J. Armstrong*).	Hume Coll.
n''. ♀ ad. hiem. sk.	Oyster Island, Dec.	Oates Coll.
o'', *p''*. ♂ ad.; *q''*. ♀ ad. hiem. sk.	Amherst, Dec. (*W. Davison*).	Hume Coll.
r''–*u''*. ♀ ad. hiem. sk.	Jaram, Salangore, Dec. to Feb. (*W. D.*).	Hume Coll.
v''. ♀ ad. hiem. sk.	Pulo Nongsa, Nov. 27 (*W. D.*).	Hume Coll.
w''. Ad. hiem. sk.	Malacca (*Dr. Maingay*).	Tweeddale Coll.
x''. Ad. hiem. sk.	Java (*ex Mus. Lugd.*).	Seebohm Coll.
y''. ♀ ad. hiem. sk.	Cujo Is., Philippines, Dec. (*A. B. Meyer*).	Tweeddale Coll.
z''. ♀ ad. sk.	Placer, July (*A. H. Everett*).	Tweeddale Coll.
a^3, *b*^{3}. Ad. sk.	Halmahera.	Wallace Coll.
c^3. Ad. hiem. sk.	Labuan.	A. H. Everett, Esq. [C.].
d^3, *e*^{3}. Ad. hiem. sk.	Amoy, Oct., Jan. (*R. Swinhoe*).	Seebohm Coll.
f^3. Ad. hiem. sk.	Formosa, Feb. (*R. Swinhoe*).	Seebohm Coll.
g^3. ♂ ad. hiem. sk.	South Yezo, Oct.	Tweeddale Coll.
h^3–*k*^{3}. Ad. hiem. sk.	Yokohama, Oct. (*H. Pryer*).	Seebohm Coll.
l^3, *m*^{3}. Ad. hiem. sk.	Corea.	C. W. Campbell, Esq. [P.].
n^3, *o*^{3}. Ad. æstiv. sk.	Arctic America.	Capt. Collinson [C.].
p^3. Ad. æstiv. sk.	Arctic America (*Col. Drummond*).	Gould Coll.
q^3, *r*^{3}. ♀ juv. sk.	St. Michael's, Alaska, Sept. 16 (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
s^3–*v*^{3}. ♂ ad. æstiv. sk.	Kotlik, Mouth of Yukon River, May 20 (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
w^3. Juv. sk.	Fort Simpson, Sept. (*R. Kennicott*).	Salvin-Godman Coll.
x^3. Juv. sk.	Fort Resolution, Great Slave Lake (*A. McKenzie*).	Salvin-Godman Coll.
y^3. Juv. sk.	Vancouver Island.	J. K. Lord, Esq. [P.].
z^3, *a*^{4}. Ad. hiem. et juv. sk.	British Columbia.	J. K. Lord, Esq. [P.].
b^4. ♂ ad. hiem. sk.	San Francisco, California, Oct. 19 (*H. W. H.*).	Salvin-Godman Coll.
c^4–*o*^{4}. ♂ ♀ ad. hiem. et æstiv. sk.	Corpus Christi, Texas, Aug., Oct., Nov. (*F. B. Armstrong*).	Salvin-Godman Coll.
p^4. ♂ ad. hiem. sk.	Tarpon Springs, Florida, Dec. 11 (*W. E. D. Scott*).	Salvin-Godman Coll.
q^4. ♀ ad. hiem. sk.	Cedar Key, Florida, Nov. (*Hensh. Coll.*).	Salvin-Godman Coll.
r^4. Ad. æstiv. sk.	Mexico (*White*).	Salvin-Godman Coll.
s^4. Ad. hiem. sk.	Chiapam, Guatemala (*O. S.*).	Salvin-Godman Coll.
t^4. Ad. æstiv. sk.	Barbados.	Sir R. Schomburgk [C.].
u^4. Ad. hiem. sk.	Choco Bay.	Capt. Kellett & Lieut. Wood [P.].
v^4. Skeleton.		Purchased.
w^4. Sternum.		M. Lefebvre.
x^4. Sternum.		J. Ingall, Esq. [P.].

24. CHARADRIUS.

Type.

Charadrius, *Linn. Syst. Nat.* i. p. 253 (1766) ..... C. pluvialis.
Pluvialis, *Briss. Orn.* v. p. 42 (1760) ..... C. pluvialis.

Range. Nearly the whole of the world, excepting the extreme south of South America.

1. Charadrius pluvialis.

The Green Plover, *Albin, Nat. Hist. B.* i. p. 71, pl. 75 (1738).
Le Pluvier doré, *Briss. Orn.* v. p. 43, pl. iv. fig. 1 (1760); *D'Aubent. Pl. Enl.* ix. pl. 904; *Buff. Hist. Nat. Ois.* viii. p. 81 (1781).
Charadrius pluvialis, *Linn. Syst. Nat.* i. p. 254 (1766); *Gm. Syst. Nat.* i. p. 688 (1788); *Vieill. N. Dict. d'Hist. Nat.* xxxii. p. 131, pl. 34. fig. 3 (1818); *Temm. Man. d'Orn.* ii. p. 535 (1820); *Roux, Orn. Prov.* pls. 271, 272 (1825); *Werner, Atlas, Coureurs*, pl. 10 (1827); *Brehm, Vog. Deutschl.* p. 543 (1831); *Menétr. Cat. Rais. Cauc.* p. 53 (1832); *Gould, B. Eur.* iv. pl. 234 (1837); *Bp. Comp. List B. Eur. & N. Amer.* p. 45 (1838); *Crespon, Orn. Gard.* p. 358 (1840); *Keys. & Blas. Wirb. Eur.* pp. lxx, 208 (1840); *Nordm. in Démid. Voy. Russ. Mérid.* iii. p. 231 (1840: spring & autumn); *Selys-Longch. Faun. Belg.* p. 121 (1842: spring & autumn migrant); *Schleg. Rev. Crit.* p. lxxxi (1844); *Mühle, Beitr. Orn. Griechenl.* p. 96 (1844); *Gray, List Gralt. Brit. Mus.* p. 93 (1844); *Hewits. Eggs Brit. B.* ii. p. 249, pl. lxviii. fig. 1 (1846); *Gray, Gen. B.* iii. p. 544 (1847); *Blyth, Cat. B. Mus. As. Soc.* p. 262 (1849); *Thomps. B. Irel.* ii. p. 83 (1850); *Harcourt, P. Z. S.* 1851, p. 146 (Canary Is.); *Brehm, J. f. O.* 1854, p. 79; *Burgess, P. Z. S.* 1855, p. 80 (Karachi); *Bolle, J. f. O.* 1855, p. 176 (Canary Is., winter); *Heugl. Syst. Uebers.* p. 56 (1856); *Hartl. Orn. West-Afr.* p. 215 (1857: Gaboon); *Jaub. & Barth.-Lapomm. Rich. Orn.* p. 445 (1859); *Salvin, Ibis*, 1859, p. 355 (City of Tunis, Feb., March); *Linderm. Vog. Griechenl.* p. 134 (1860); *Walter, Ibis*, 1860, p. 166 (Godhavn); *Powys, t. c.* p. 339 (Corfu & Epirus); *F. & P. Godman, Ibis*, 1861, p. 86 (Norway, May); *Schleg. Dier. Nederl. Vogels*, pl. 21. figs. 2, 3 (1861); *Hartl. J. f. O.* 1861, p. 268 (Gaboon); *Newton in Baring-Gould's Iceland*, p. 411 (1863); *Gray, List Brit. B.* p. 139 (1863); *Gould, B. Gt. Brit.* iv. pls. 38, 39 (1864); *Tristr. P. Z. S.* 1864, p. 450 (Palestine, winter); *Wright, Ibis*, 1864, p. 140 (Malta, spring & autumn); *Sperling, t. c.* p. 286 (Missolonghi marshes, Nov.); *Salvad. J. f. O.* 1865, p. 284 (Sardinia); *Gigl. Ibis*, 1865, p. 59 (Pisa, winter); *Lilford, Ibis*, 1866, p. 178 (Spain); *Taylor, Ibis*, 1867, p. 68 (Alexandria market); *Baird, t. c.* p. 282 (Iceland); *Drake, t. c.* p. 429 (Tangiers); *Layard, B. S. Afr.* p. 206 (1867: Lamu, E. Africa); *Smith, Ibis*, 1868, p. 453 (Portugal); *Saunders, Ibis*, 1869, p. 173 (Spain); *Borggr. Vogelf. Norddeutschl.* p. 169 (1869); *Doderl. Avif. Sicil.* p. 174 (1869: spring & autumn); *Droste, Vogelw. Borkum*, p. 145 (1869); *Finsch & Hartl. Vog. Ostafr.* p. 662 (1870: note); *Elwes & Buckley, Ibis*, 1870, p. 330 (Macedonia); *Gurney, Ibis*, 1871, p. 208 (Algeria); *Saunders, t. c.* p. 384 (S. Spain); *Salvad. Faun. Ital. Uce.* p. 283 (1871); *R. Gray, B. West Scott.* p. 252 (1871); *Dresser, B. Eur.* vii. p. 435, pl. 515. fig. 1 (1871); *Harting, Handb. Brit. B.* p. 42 (1872); *G. C. Taylor, Ibis*, 1872, p. 232 (Constantinople); *Shelley, B. Egypt*, p. 235 (1872: winter);

Feilden, Zool. 1872, p. 3245 (Faroe Is., March to Aug.); *Alston & Harvie-Brown, Ibis*, 1873, p. 67 (Archangel); *Brooke t. c.* p. 337 (Sardinia, spring); *Severtz. Turkest. Jevotn.* p. 69 (1873: migrant); *Saxby, B. Shetl.* p. 157 (1874: breeding); *Irby, Orn. Straits Gibr.* p. 160 (1875); *Fallon, Ois., Belg.* p. 150 (1875); *Seebohm & Harvie-Brown, Ibis*, 1876, p. 221 (Lower Petchora); *Dresser, t. c.* p. 327; *Blanf. East. Persia*, ii. p. 278 (1876: Gwadar; Resht, Baluchistan); *Tacz. Bull. Soc. Zool. France*, ii. p. 154 (1877: Poland, spring & autumn); *Danford, Ibis*, 1878, p. 33 (Asia Minor); *Seebohm, Ibis*, 1879, p. 152 (Banks of Kooray-i-ka, June; Varé-hinsky, July); *Finsch, Verhandl. z.-b. Ges. Wien*, xxix. p. 243 (1879: Shtschutschja, July; Podarata, Aug.); *Collett, Norges Fuglefauna*, p. 106 (1881); *Seebohm, Ibis*, 1882, p. 222 (Astrakhan); *id. t. c.* p. 388 (Archangel); *id. Ibis*, 1883, p. 28 (Caucasus); *B. O. U. List Brit. B.* p. 157 (1883); *Saunders, ed. Yarrell's Brit. B.* iii. p. 271 (1883); *Chapman, Ibis*, 1884, p. 98 (Spain); *Tristr. Faun. & Flor. Palest.* p. 129 (1884); *Radde, Orn. Cauc.* pp. 43, 412 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 600 (1884); *Murray, Vertebr. Faun. Sind*, p. 225 (1884); *Sharpe, ed Layard's B. S. Afr.* p. 657 (1884); *Seebohm, Hist. Brit. B.* iii. p. 35 (1885); *Whitehead, Ibis*, 1885, p. 41 (Corsica); *Dixon, t. c.* p. 85 (St. Kilda); *Reid, t. c.* p. 252 (Marocco); *Gigl. Arif. Ital.* p. 369 (1886); *Salvad. Elenco Ucc. Ital.* p. 210 (1886); *Pleske, Uebers. Säug. und Vög. Kola-Halb.* p. 320 (1886); *Yerbury, Ibis*, 1886, p. 20 (Aden, occasional); *Backhouse, Ibis*, 1887, p. 74 (E. Pyrenees); *Tait, t. c.* p. 384 (Portugal); *Koenig, J. f. O.* 1888, p. 270 (Tunis); *Seebohm, Geogr. Distr. Charadr.* p. 97 (1888); *Buckley & Harvie-Brown, Vertebr. Faun. Outer Hebrides*, p. 141 (1888: resident); *Saunders, Man. Brit. B.* p. 531 (1889); *Lilford, Ibis*, 1889, p. 339 (Cyprus); *Gigl. Avif. Ital.*, 1*st Resoc.* p. 565 (1889), 2*nd Resoc.* p. 647 (1890), 3*rd Resoc.* p. 509 (1891); *W. Evans, Ibis*, 1891, p. 79 (incubation); *Buckley & Harvie-Brown, Vertebr. Faun. Orkney Is.* p. 201 (1891: resident); *id. Vertebr. Faun. Argyll & Inner Hebrides*, p. 163 (1892); *Irby, Key List Brit. B.* 2nd ed. p. 47 (1892); *Seebohm, Ibis*, 1892, p. 22 (Heligoland); *Hartert, t. c.* p. 516 (E. Prussia); *Blaauw, Notes Leyd. Mus.* xv. p. 225 (1893: Holland); *Barnes, Ibis*, 1893, pp. 169, 181 (Aden); *Blagg, t. c.* p. 355 (Shetlands, breeding); *Pearson & Bidwell, Ibis*, 1894, p. 233 (Norway, breeding); *Chapman, t. c.* p. 344 (West Jutland).

Charadrius apricarius, *Linn. Syst. Nat.* i. p. 254 (1766, pt.); *Pall. Zoogr. Rosso-Asiat.* ii. p. 146 (1811, pt.); *Brehm, Vög. Deutschl.* p. 541 (1831); *Kjærb. Danm. Fugle*, pl. xxx. fig. 6 (1852); *Sundev. Sv. Fogl.* pl. xxxvi. figs. 2, 3 (1856–72); *Gray, Hand-l. B.* iii. p. 13, no. 9982 (1871); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1014 (1873: Nile delta, winter); *Palmén, Finlands Foglar*, p. 91 (1873); *A. O. U. Check-l. N. Amer. B.* p. 100 (1886: Greenland); *Ridgw. Man. N. Amer. B.* p. 173 (1887); *Olphe-Gall. Contr. Faun. Orn. Eur. Occid.* fasc. xiii. p. 12 (1890); *Frivaldsky, Av. Hung.* p. 121 (1891).

Charadrius aureus, *P. L. S. Müll. S. N., Anhang*, p. 118 (1776: *ex Briss.*); *Bogd. Consp. Av. Imp. Ross.* p. 71 (1884).

Golden Plover, *Lath. Gen. Syn.* iii. pt. 1, p. 193 (1785); *Yarrell, Brit. B.* ii. p. 385 (1843); *Graham, B. Iona & Mull*, p. 238 (1890: resident).

Charadrius auratus, *Suckow, Naturg. der Thiere*, ii. p. 1592 (1801); *Meyer & Wolf, Taschenb.* ii. p. 318 (1810); *Brehm, Vög. Deutschl.*

p. 542 (1831); *Naum. Vög. Deutschl.* vii. p. 138, pl. 173 (1834); *Schl. Vog. Nederl.* pl. 211 (1854).

Charadrius altifrons, *Brehm, Vög. Deutschl.* p. 542 (1831).

Pluvialis apricarius, *Less. Traité d'Orn.* p. 543 (1831); *Bp. Cat. Met. Ucc. Eur.* p. 57 (1842); *id. C. R.* xliii. p. 417 (1856); *Schl. Mus. Pays-Bas*, Cursores, p. 49 (1865: Holland, Sweden, Archangel); *Degl. & Gerbe, Orn. Eur.* ii. p. 123 (1867); *Locke, Expl. Sci. Algér., Ois.* ii. p. 262 (1867); *Fritsch, Vög. Eur.* tab. 37. figs. 1, 2 (1870).

Pluvialis aurea, *Macgill. Brit. B.* iv. p. 94 (1852).

Adult male in breeding-plumage. General colour above mottled with black, golden-buff, and ashy-whitish markings; the ground-colour of the feathers black, with spots of golden buff, the whitish spots being mostly at the tips, and probably only the remains of winter plumage; the scapulars and wing-coverts more distinctly notched and barred with golden, the lateral marks being often triangular and of irregular shape; lesser wing-coverts brown, with very little golden mottling, the median and greater series like the back, and distinctly mottled with golden and black in the form of frequent bars; bastard-wing, primary-coverts, and quills dark brown, fringed with white at the ends, the secondaries with inconspicuous whity-brown bases; the innermost notched or barred with golden; lower back, rump, and upper tail-coverts like the rest of the upper surface, but rather more plainly barred with golden; tail-feathers brown, barred with lighter brown or golden, the outer feathers externally notched with white, the light bars tinged with golden; head like the back and similarly mottled with golden; a frontal band and a distinct eyebrow white, extending down the sides of the neck and joining the white along the sides of the body; base of forehead, lores, sides of face, ear-coverts, and throat smoky black; centre of fore-neck, breast, and abdomen deep black, flanked with white for its entire length; the golden and black plumage of the sides of the neck descending on to the sides of the breast, thighs black; under tail-coverts white, marked with black on the vent; under wing-coverts white, mottled with ashy brown round the bend of the wing; axillaries *pure white*; quills ashy below, as also the lower primary-coverts: "bill, legs, feet, and claws nearly black; iris dark hazel" (*H. Seebohm*). Total length 10 inches, culmen 1, wing 7·45, tail 2·9, tarsus 1·6.

Adult female in breeding-plumage. Similar to the male, but never having the black so uniformly distributed on the breast, but always in patches. Total length 10 inches, wing 7·4.

Young in first winter plumage. Similar to the adults, but much more plentifully spangled with golden, the crown of the head somewhat blacker; throat white; lower throat, fore-neck, and breast ashy brown, mottled with pale golden-buff edges and bars, the feathers on the lower throat and fore-neck being mottled with triangular spots of dusky brown; the breast and sides of the body ashy brown, with dusky-brown bars; abdomen and under

wing-coverts white, the outer ones round the bend of the wing mottled with brown; lower primary-coverts ashy brown; axillaries white.

Nestling. Thickly covered with golden down, mottled with black, which scarcely forms any distinct patterns; on each side of the back is a streak of ashy-whitish down, and the wings are marked by a golden patch, the lores and eyebrow being emphasized by a spot of bright golden yellow; below the eye a spot of ashy whitish, of which also there are certain markings on the hind-neck and sides of neck; cheeks and under surface of body ashy whitish, with a patch of dusky blackish underlying the down of the breast.

Hab. Europe generally, extending to Western Siberia and migrating south in winter to North Africa, and even extending as far east as Sind.

a–c. Pull. sk.	Europe.	Gould Coll.
d. Ad. hiem. st.	Ballynacuick, Ireland.	C. Coningham, Esq. [P.].
e. Ad. æstiv. sk.	Orkneys.	Hume Coll.
f. ♂ ad. æstiv. sk.	Clestron, Orkneys, May 27.	Seebohm Coll.
g. ♂ ad. hiem. sk.	Stromness, Orkneys.	Seebohm Coll.
h. Pull. sk.	Bridge of Broisgar, Stennis, Orkneys (*J. H. Dunn*).	Hargitt Coll.
i. Pull. sk.	Orkneys (*Hubbard*).	Salvin-Godman Coll.
k, l. Pull. st.	Orkneys.	Purchased.
m. ♂ ad. hiem. sk.	Island of Tiree, Jan. 16.	Colonel Irby [P.].
n, o. Ad. æstiv. st.	Beauly Castle, N.B.	Lord Lovat [P.].
p, q. Ad. hiem. sk.	Whitehill, N.B. (*R. G. W. R.*).	Tweeddale Coll.
r. Ad. hiem. sk.	Isle of Grain, N.B., Sept. (*R. G. W. R.*).	Tweeddale Coll.
s. Ad. æstiv. st.	Northumberland, May.	Harting Coll.
t. Imm. sk.	Newbiggin, Northumberland, Aug.	Hume Coll.
u. ♀ ad. hiem. sk.	Teesmouth, Durham, March.	Hume Coll.
v, w. ♂ ♀ ad. æstiv. st.	Yorkshire.	Lord Walsingham [P.].
x. Ad. æstiv. sk.	White Pass Moss, Derbyshire, June (*O. S.*).	Salvin-Godman Coll.
y, z. ♂ ♀ ad. hiem. et æstiv. sk.	Ulceby, Lincolnshire, March, Jan. (*J. Cordeaux*).	Seebohm Coll.
a'. ♂ ad. hiem. sk.	Breydon Harbour, Norfolk, Oct. (*J. E. Harting*).	Seebohm Coll.
b', c'. Ad. hiem. sk.	Harwich, Jan. 28.	H. Whitehead, Esq. [P.].
d', e'. Ad. hiem. st.	Epping, Essex.	H. Doubleday, Esq. [P.].

f–*h*. ♂ ad. hiem.; *i*. ♀ ad. hiem. sk.; *k*. Ad. hiem. sk.	Shelley Plain, Sussex, April.	Dr. R. B. Sharpe [P.].
l, *m*. ♂ ad. æstiv.; *n*, *o*. ♀ ad. æstiv. sk.	Bodö, Norway, May to July (*P. Godman*).	Salvin-Godman Coll.
p. Pull. sk.	Dovrefjeld, Norway, July.	Gould Coll.
q. ♂ ad. æstiv. sk.	Kistrand, Norway, June.	Seebohm Coll.
r. Ad. æstiv. sk.	Russia.	Old Coll.
s, *t*. Ad. æstiv. sk.	Archangel.	Dr. R. B. Sharpe [P.].
u Ad. æstiv. sk.	Archangel, June (*Alston*).	Seebohm Coll.
v. ♂ ad. æstiv. sk.	Petchora.	Colonel Feilden & J. A. Harvie-Brown, Esq. [P.].
w ♀ ad. æstiv. sk.	Stranavoilacha, Lower Petchora, June 28.	Seebohm Coll.
x. ♀ ad. æstiv. sk.	Schtschutscha, July 25 (*Dr. O. Finsch*).	Geogr. Soc. Bremen.
y Pull. sk.	Tundra of Podarata, Aug. 5 (*Dr. O. Finsch*).	Geogr. Soc. Bremen.
z, *a'* ♂ ad. æstiv.; *b'*. ♀ ad. æstiv. sk.	Yen-e-sai, June, July (*H. S.*).	Seebohm Coll.
c', *d'* ♂ ad. æstiv.; *e'*. ♀ ad. æstiv. sk.	Yen-e-sai, June, July (*H. Seebohm*).	Tweeddale Coll.
f' ♂ ad. hiem. sk.	Heligoland, Oct.	Seebohm Coll.
g' ♂ ad. hiem. sk.	Heligoland, Sept. 30.	F. Nicholson, Esq. [P.].
h' Ad. hiem. sk.	Galicia.	Dr. V. Secane [P.].
i' ♂ ad. hiem. sk.	Oudena, Tunis, Feb. 18 (*O. S.*).	Salvin-Godman Coll.
k' ♂ ad. hiem. sk.	Tripoli (*Dickson & Ross*).	Seebohm Coll.
l' ♂ ad. hiem. sk.	Wilderness of Judæa.	Canon Tristram [C.].
m' ♂ ad. hiem. sk.	Gwadar, Baluchistan, Dec.	W. T. Blanford, Esq. [P.].
n' ♂ ad. hiem. sk.	Sehwan, Sind, Jan. 27.	Hume Coll.
o' Skeleton.	England.	Salvin-Godman Coll.

2. Charadrius dominicus.

The Spotted Plover, *Edwards, Nat. Hist. B.* iii. pl. 140 (1760).
Le Pluvier doré de S. Domingue, *Briss. Orn.* v. p. 48, pl. vi. fig. 1 (1760).
Le Pluvier doré de la Baye de Hudson, *Briss. Orn.* v. p. 51 (1760).

Charadrius apricarius, *Linn Syst. Nat.* i. p. 254 (1766: pt.); *Gm. Syst. Nat.* i. p. 687 (1788).

Charadrius dominicus, *P. L. S. Müll. Syst. Nat., Anhang*, p. 116 (1776: S. Domingo); *Cass. Proc. Philad. Acad.* 1864, p. 246; *A. & E. Newton, Handb. Jamaica*, p. 115 (1881); *Coues, Check-l. N. Amer. B.* p. 96 (1882); *Bean, Proc. U.S. Nat. Mus.* v. pp. 164, 173 (1882: Icy Cape); *Stearns, op. cit.* vi. p. 119 (1883: Fox Isl., Lewis Sound); *Nelson, Cruise R.S. Corwin*, p. 84 (1883: Alaskan Coast); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 139 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 599 (1884); *Dutcher, Auk*, i. p. 179 (1884: Long Island); *Drew, Auk*, ii. p. 18 (1885: Colorado); *Agersb. t. c.* p. 285 (S.E. Dakota); *Murdock, Exped. Point Barrow, Alaska*, p. 109 (1885); *Turner, Proc. U.S. Nat. Mus.* viii. p. 246 (1885: Labrador); *Seton, Auk*, viii. p. 152 (1886: Manitoba, spring & autumn); *A. O. U. Check-l. N. Amer. B.* p. 161 (1886); *Wells, Proc. U.S. Nat. Mus.* ix. p. 627 (1886: Grenada); *Nelson, Rep. Nat. Hist. Coll. Alaska*, p. 123 (1887); *Beckh. Proc. U.S. Nat. Mus.* x. pp. 642, 654 (1887: S.W. Texas); *Gigl. & Salvad. P. Z. S.* 1887, p. 585 (Olga Bay, Corea, Sept.); *Ridgw. Man. N. Amer. B.* p. 174 (1887); *Lloyd, Auk*, iv. p. 186 (1887: West Texas); *Cory, t. c.* p. 227 (Antilles, winter); *Scott, Auk*, vi. p. 159 (1889: Punta Rassa); *Feilden, Ibis*, 1889, p. 490 (Barbados); *Cory, B. West Ind.* p. 227 (1889); *Scl. & Huds. Argent. Orn.* ii. p. 170 (1889); *Eagle Clarke, Auk*, vii. p. 321 (1890: Hudson's Bay); *Cherrie, t. c.* p. 332 (Costa Rica); *Warren, B. Pennsylv.* 2nd ed. p. 98 (1890); *Thompson, Proc. U.S. Nat. Mus.* xiii. p. 506 (1890: Manitoba); *Mackay, Auk*, viii. p. 17 (1891: Massachusetts); *MacFarl. Proc. U.S. Nat. Mus.* xiv. p. 429 (1891: Arctic America); *Berl. & Stolz. P. Z. S.* 1892, p. 399 (Peru); *Berkeley James, New List Chilian B.* p. 11 (1892); *Scott, Auk*, ix. p. 14 (1892: Jamaica), p. 212 (Florida); *Attwater, t. c.* p. 232 (San Antonio, Texas); *Cherrie, t. c.* p. 329 (Costa Rica, Oct. to Dec.); *Cory, Cat. West Ind. B.* p. 94 (1892); *Chapm. Bull. Amer. Mus. Nat. Hist.* vi. p. 96 (1892: Trinidad).

Le Pluvier doré à gorge noire, *Buff. Hist. Nat. Ois.* viii. p. 85 (1781).

Alwargrim Plover, *Lath. Gen. Syn.* iii. pt. 1, p. 198 (1785: pt.).

Fulvous Plover, *Lath. t. c.* p. 211.

Charadrius fulvus, *Gm. Syst. Nat.* i. p. 687 (1788); *Gray, List Grall. Brit. Mus.* p. 67 (1844); *id. Gen. B.* iii. p. 544 (1847); *id. Cat. B. Trop. Is. Pacific Ocean*, p. 47 (1859); *Cass. Proc. Philad. Acad.* 1862, p. 321 (Liu-Kiu Is.); *Finsch & Hartl. Faun. Centralpolyn.* p. 188 (1867); *Hartl. & Finsch, P. Z. S.* 1868, p. 117 (Pelew Is.); *Finsch & Hartl. P. Z. S.* 1869, p. 548 (Tonga Is.); *Doderl. Avif. Sicil.* p. 175 (1869); *Dole, Proc. Bost. Soc. N. H.* xii. p. 304 (1869: Oahu, Molokai); *Finsch & Hartl. J. f. O.* 1870, p. 122 (Tongatabu; Vavao; Hapai); *Harting, Ibis*, 1870, p. 205; *Gray, Hand-l. B.* iii. p. 14, no. 9985 (1871); *Swinh. P. Z. S.* 1871, p. 403; *Dresser, B. Eur.* vii. p. 443, pl. 516, pl. 517. figs. 2, 3 (1871); *Wald. Trans. Zool. Soc.* viii. p. 88 (1872: Celebes); *Hartl. & Finsch, P. Z. S.* 1872, pp. 89, 104 (Mackenzie Group); *Holdsw. t. c.* p. 470 (Ceylon); *Finsch, J. f. O.* 1872, p. 52 (Samoa); *Wald. & Layard, Ibis*, 1872, p. 105 (Negros, March); *Wald. Ibis*, 1873, p. 316 (Andamans); *Swinh. t. c.* p. 427 (Shanghai); *Tacz. J. f. O.* 1873, p. 101 (E. Siberia); *Buller, B. New Zeal.* p. 212 (1873); *Hume, Nests & Eggs Ind. B.* p. 570 (1873); *id. Str. F.* i. p. 228 (1873: Larkhana, Sindh); *id. t. c.* p. 462 (Acheen, Sumatra); *Salvad. Ucc. Born.* p. 313 (1874);

Tacz. J. f. O. 1874, p. 336; *Hutton, Ibis*, 1874, p. 39 (New Zealand); *Buller, t. c.* p. 118; *Swinhoe, t. c.* p. 162 (Hakodadi); *Hume, Str. F.* ii. p. 287 (1874: Andamans); *Salvad. Ann. Mus. Genov.* vii. p. 793 (1875); *Blyth & Wald. B. Burm.* p. 153 (1875: Thayetmyo, Tonghoo); *Hume, Str. F.* iii. p. 179 (1875: Pegu); *Finsch, Journ. Mus. Godeffr.* viii. p. 31 (1875: Pelew Islands); *Wald. Trans. Zool. Soc.* ix. p. 226 (1875: Luzon); *Sharpe, Voy. Ereb. & Terr., Birds*, App. p. 29 (1875: N. Z.); *Irby, Orn. Straits Gibr.* p. 161 (1875); *Legge, Ibis*, 1875, p. 400 (Ceylon); *Dresser, t. c.* p. 513 (Great Britain); *Layard, P. Z. S.* 1875, p. 440 (Fiji Is.); *Sharpe, Ibis*, 1876, p. 51 (Borneo, Oct.); *Tristr. t. c.* p. 264 (New Hebrides); *Layard, t. c.* p. 393 (Fiji Is.); *id. P. Z. S.* 1876, p. 497 (Samoa), p. 503 (Friendly Is.); *Cab. & Reichen. J. f. O.* 1876, p. 327 (Samoa); *Salvad. Ann. Mus. Genov.* viii. p. 384 (1876: Bouru); *Brüggem. Abhandl. nat. Ver. Bremen*, v. p. 536 (1876: Celebes); *Butler & Hume, Str. F.* iv. p. 11 (1876: N. Guzerat); *Fairb. t. c.* p. 202 (Deccan); *Armstrong, t. c.* p. 339 (Akyab); *Hume, t. c.* p. 402 (Laccadives); *Tacz. Bull. Soc. Zool. France*, i. p. 247 (1876); *Butler, Str. F.* v. p. 232 (1877: Karachi); *Ball, t. c.* p. 419 (Godavery); *Sharpe, Journ. Linn. Soc., Zool.* xiii. p. 504 (1877: Port Moresby); *Sclat. P. Z. S.* 1877, p. 113 (Duke of York Isl.); *Salvad. Ann. Mus. Gen.* x. p. 163 (1877); *Tacz. Bull. Soc. Zool. France*, ii. p. 155 (1877: Poland, Nov.); *Prjev. in Rowley's Orn. Misc.* iii. p. 434 (1877: S.E. Mongolia, May; Hoang-ho Valley, April; Northern Ala-shan, Sept.; Lake Hanka, Aug.); *David & Oust. Ois. Chine*, p. 424 (1877); *Streets, American Naturalist*, 1877, p. 71 (Christmas Isl., Fanning Group); *Tweedd. Ibis*, 1877, p. 322 (Sumatra); *Wardlaw Ramsay, t. c.* p. 498 (Burma); *Tweedd. P. Z. S.* 1877, p. 550 (Zamboanga); *Blakist. & Pryer, Ibis*, 1878, p. 218 (Yezo; Tokio; Yokohama); *E. L. & L. C. Layard, t. c.* p. 284 (New Caledonia, breeding); *Salvad. P. Z. S.* 1878, p. 82 (Amboina); *Hume & Davison, Str. F.* vi. p. 455 (1878: Tenasserim); *Davidson & Wenden, Str. F.* vii. p. 88 (1878: Deccan); *Ball, t. c.* p. 226 (Ganges to Godavery); *Crippe, t. c.* p. 260 (Faridpur); *Hume, t. c.* p. 482 (Calcutta); *Anderson, Sci. Res. Exped. West Yunan*, p. 675 (1878: Tapeng; Tsitkaw); *Butler, Cat. B. Sind etc.* p. 57 (1879: winter visitant); *Rosenb. Malay. Archip.* p. 373 (1878–79: Kei Isl.); *Finsch, P. Z. S.* 1879, p. 14 (Duke of York Isl.); *Sclat. t. c.* p. 447; *Salvad. Ann. Mus. Gen.* xiv. p. 985 (1879); *Meyer, Ibis*, 1879, p. 146 (Togian Is.); *Taczan. Bull. Com. et Agric. Cochinchine*, (3) i. p. 147 (1879); *Hume, Str. F.* viii. pp. 61, 161 (1879: Malay Peninsula), p. 112; *Scully, t. c.* p. 350 (Nepal Valley, Sept. & Oct.); *Sharpe, P. Z. S.* 1879, p. 350 (Labuan); *Maynard, B. East. N. Amer.* p. 358 (1879); *Seebohm, Ibis*, 1879, p. 25 (Japan); *Gätke, t. c.* p. 104 (Heligoland); *E. L. & L. C. Layard, t. c.* p. 107 (New Caledonia); *Seebohm, t. c.* p. 153 (Koo-ray-i-ka, Siberia); *Sharpe, t. c.* p. 270 (Lawas R.); *Irby, t. c.* p. 345 (Malaga); *Butler, Cat. B. S. Bomb. Prov.* p. 72 (1880: winter); *Finsch, Ibis*, 1880, p. 79 (Honolulu, July); *id. t. c.* pp. 220, 330 32 (Marshall Is.), p. 432 (Kingsmill Group, Gilbert Is.); *E. L. & L. C. Layard, t. c.* p. 232 (Loyalty Is.), p. 304 (New Hebrides); *Legge, B. Ceylon*, p. 934 (1880); *Vidal, Str. F.* ix. p. 70 (1880: S. Konkan); *Bingham, t. c.* p. 196 (Thoungyeen Valley); *Butler, t. c.* p. 425; *Parker, t. c.* p. 482 (Ceylon); *Tweedd. Voy. 'Challenger,'* ii. *Birds*, p. 23 (1881: Zamboanga, Mindanao); *Salvad. t. c.* p. 63 (Amboina); *Meyer, Verh. z.-b. ges. Wien*, 1881, p. 767 (Sumba); *Reid, Str. F.*

x. p. 64 (1881: Lucknow); *Tristr. P. Z. S.* 1881, p. 906; *Biddulph, Ibis*, 1881, p. 94 (Gilgit); *Finsch, t. c.* p. 109 (Kushai); *id.* p. 115 (Ponapé); *E. L. & L. C. Layard, t. c.* p. 135 (New Hebrides); *Giglioli, t. c.* p. 184 (Malta); *Finsch, t. c.* p. 246 (Pleasant Isl.); *Tristr. t. c.* p. 251 (Marquesas); *Kelham, t. c.* p. 530 (Perak R., Jan.); *Scully, t. c.* p. 586 (Gilgit, Sept., Oct.); *Kelham, Ibis*, 1882, pp. 8, 189 (Singapore, Oct.); *Seebohm, t. c.* p. 222 (Astrakhan), p. 380 (Archangel); *E. L. & L. C. Layard, t. c.* p. 532 (New Caledonia), p. 544 (New Hebrides; Fiji Is.); *Cheeseman, Trans. New Zeal. Inst.* xiv. p. 264 (1882: Auckland Distr.); *Davidson, Str. F.* x. p. 318 (1882: W. Khandeish); *Salvad. Ann. Mus. Genov.* xviii. p. 324 (1882: Geogr. distr.); *id. Orn. Papuasia*, iii. p. 294 (1882); *Sclat. P. Z. S.* 1883, pp. 52, 200 (Maroe, Timor-Laut); *Oates, Handb. B. Brit. Burm.* ii. p. 364 (1883); *B. O. U. List Brit. B.* p. 157 (1883); *Tristr. Ibis*, 1883, p. 47 (Fanning Is.); *Robson, Trans. New Zeal. Inst.* xvi. p. 308 (1884: Portland Isl., N. Z., Jan.); *Finsch, Vög. der Südsee*, p. 55 (1884: Marshall & Gilbert Isl.); *Forbes, P. Z. S.* 1884, p. 43 (Tenimber Isl.); *Snell. in Veth's Midden Sumatra, Vog.* p. 50 (1884); *H. O. Forbes, P. Z. S.* 1884, p. 433 (Timor-Laut); *Pleske, Bull. Acad. Pétersb.* xxix. p. 536 (1884: Ternate); *Blakiston, Amended List B. Jap.* p. 10 (1884: Japan generally); *Bogd. Consp. Av. Imp. Ross.* p. 71 (1884); *Radde, B. Cauc.* pp. 43, 413 (1884: winter); *Nehrk. J. f. O.* 1885, p. 35 (Waigiou); *Seebohm, Hist. Brit. B.* iii. p. 40 (1885); *Swinh. & Barnes, Ibis*, 1885, p. 132 (Mhow Distr.); *Kirk, Trans. New Zeal. Inst.* xvii. p. 59 (1885: Worser Bay); *Guillem. P. Z. S.* 1885, p. 559 (Gorontalo, Sept.); *id.* p. 664 (Momos, Waigiou, Oct.); *Büttik. Notes Leyd. Mus.* ix. p. 79 (1886: W. Sumatra); *Blasius, Zeitschr. ges. Orn.* iii. p. 140 (1886: Celebes); *Tristr. P. Z. S.* 1886, p. 79 (Sidney Isl., Phœnix Group); *Sharpe, Ibis*, 1886, p. 167 (Muscat); *Vorderm. Nat. Tijdschr. Nederl. Ind.* xlvi. Afl. 3, p. 21 (1886: Borneo); *Seebohm, Ibis*, 1887, p. 180 (Liu Kiu Is.); *McFarl. t. c.* p. 212 (Sandwich Isl., Aug.); *Salvad. Ann. Mus. Gen.* (2) iv. p. 613 (1887: Bhamo); *Seebohm, Ibis*, 1888, p. 349 (Great Liakoff Isl.); *Hume, Str. F.* xi. p. 313 (1888: Manipur); *Ramsay, Tab. List Austr. B.* p. 19 (1888: Australia generally, except the north-west); *Buller, B. New Zeal.* 2nd ed. ii. p. 6 (1888); *Seebohm, Geogr. Distr. Charadr.* p. 99 (1888); *Tacz. P. Z. S.* 1888, p. 456 (Séoul, Corea, Sept.); *Gigl. & Salvad. t. c.* p. 585 (Olga Bay, Corea, Sept.); *North, Proc. Linn. Soc. N. S. W.* (2) iii. p. 1778 (1889: Cumberland, N. S. W.); *Hartert, J. f. O.* 1889, p. 377 (Sumatra); *Everett, Journ. Straits Branch As. Soc.* 1889, p. 204 (Sarawak); *Vorderm. Nat. Tijdschr. Nederl. Ind.* xlix. p. 415 (1889: Sumatra); *St. John, Ibis*, 1889, p. 175 (S. Afghanistan); *Tristr. t. c.* p. 558 (Rossel Isl.); *Everett, P. Z. S.* 1889, p. 225 (Palawan); *Steere, List B. & Mamm. Exped. Philipp.* p. 25 (1890: Paragua; Balabac; Mindanao; Negros; Siquijor); *Whitehead, Ibis*, 1890, p. 59 (Palawan); *Seebohm, t. c.* p. 104 (Bonin Is.); *Sharpe, t. c.* pp. 142, 284 (Benkoka; Labuan); *Seebohm, B. Japan. Emp.* p. 303 (1890); *Salvad. Ann. Mus. Genov.* (2) x. p. 827 (1891: Killerton Isl.); *id. Agg. Orn. Papuasia*, iii. p. 200 (1891); *Sharpe, Sci. Res. 2nd Yark. Miss., Aves*, p. 156 (1891); *Buckley & Harvie-Brown, Vertebr. Faun. Orkney Is.* p. 202 (1891: Nov.); *Styan, Ibis*, 1891, pp. 330, 503 (Lower Yangtse, spring migrant); *Lister, P. Z. S.* 1891, p. 299 (Phœnix Is.); *Seebohm, Ibis*, 1892, p. 22 (Heligoland, June, July); *De la Touche, t. c.* p. 496 (Foochow, spring & autumn; Swatow, winter); *Scott-Wilson &*

Evans, Ares Hawaiiensis, pt. iii. (1892); *Legge, Proc. Austr. Assoc. Advanc. Sci.* 1892, p. 32 (Tasmania, Oct.-March); *Irby, Key List Brit. B.* 2nd ed. p. 47 (1892); *Hartl. Abh. nat. Ver. Bremen*, xii. p. 331 (Hainan, Dec.); *Wiglesw. Abhandl. Zool. Mus. Dresd.* 1890–91, no. 6, p. 63 (1892); *Seebohm, Ibis*, 1893, p. 53 (Liu Kiu Is.); *Wiglesw. t. c.* p. 213 (Gilbert Is.); *Hose, t. c.* p. 424 (Borneo, winter); *Styan, t. c.* p. 436 (Hainan); *Rothschild, Avif. Laysan*, pt. i. p. 11 (1893); *Meyer & Wiglesw. J. f. O.* 1894, p. 250 (Talaut Isl.).

Mbatuitui pecho listado, *Azara, Apunt.* iii. p. 283 (1803).

Mbatuitui de mármol, *Azara, t. c.* iii. p. 286.

Charadrius pluvialis (*nec L.*), *Pall. Zoogr. Rosso-Asiat.* ii. p. 141 (1811); *Wilson, Amer. Orn.* vii. p. 71, pl. 59. fig. 5 (1814: New York; New Jersey, Sept., Oct.); *Horsf. Trans. Linn. Soc.* xiii. p. 187 (1820: Java); *E. Sabine in Parry's Voy.*, App. p. cxcix (1821: N. Georgian Is., breeding); *id. in Franklin's Journ.* p. 683 (1823: N. Georgian Is.); *Richardson in Parry's 2nd Voy.*, App. p. 350 (1825); *J. C. Ross in Parry's 3rd Voy.*, App. p. 102 (1826: Port Bowen, May); *Swains. Faun. Bor.-Amer., Birds*, p. 349 (1831: Hudson's Bay); *Sykes, P. Z. S.* 1832, p. 166 (Deccan); *Nuttall, Man. Orn.* ii. p. 16 (1836); *Vigors in Beechey's Voy. 'Blossom,' Birds*, p. 29 (1839: Chamisso Is., Sept.); *Hodgs. Icon. ined. in Brit. Mus., Grall.* pls. 53, 96, nos. 535, 536; *id. in Gray's Zool. Misc.* p. 86 (1844); *Peale, U.S. Expl. Exped.* p. 239 (1848); *Middend. Reis. Sibir., Zool.* p. 210 (1851: Taimyr River, May; Boganida [71° N.], Aug.); *Kittl. Denkw. Reis.* ii. pp. 32, 55 (1858); *Schrenck, Reis. Amurl.* p. 410 (1859); *Radde, Reis. Sibir., Vog.* p. 322 (1863: Bureja Mts., Sept.); *Pelz. Reise Novara, Vog.* p. 115 (1865: Nicobars); *id. Orn. Bras.* pp. 297, 454 (1871: Ypanema; Curytiba; Cuyaba; Villa Maria; Engenho do Cap Gama; Barra); *Sclat. Ibis*, 1871, p. 360 (Sandwich Islands); *Adams, Ibis*, 1878, p. 437 (Michalaski, May).

Charadrius pectoralis (*nec Wagl.*), *Vieill. N. Dict. d'Hist. Nat.* xxvii. p. 145 (1818).

Charadrius pluvialis, var., *Raffl., Trans. Linn. Soc.* xiii. p. 328 (1820: Sumatra).

Charadrius virginicus, *Licht. Verz. Doubl.* p. 70 (1823: Montevideo); *Neuwied, Beitr. Naturg. Bras.* iv. p. 761 (1833: Brazil); *Meyen, Nova Acta Acad. C. L.-C.* xvi. Suppl. p. 106, pl. 18 (1834: S. America); *Gray, List Grall. Brit. Mus.* p. 67 (1844); *id. Cat. Mamm. &c. Nepal pres. Hodgs.* p. 132 (1846); *Hartl. Ind. Azara*, p. 24 (1847); *Gosse, B. Jamaica*, p. 333 (1847); *Gray, Gen. B.* iii. p. 544 (1847); *Blyth, Cat. B. Mus. As. Soc.* p. 262 (1849: Calcutta); *Licht. Nomencl. Av. Mus. Berol.* p. 95 (1854); *Motl. & Dillw. Contr. Nat. Hist Labuan*, p. 57 (1855); *Gundl. J. f. O.* 1856, p. 423 (Cuba, Sept. to April); *Baird, B. N. Amer.* p. 690 (1858); *Sclat. & Salv. Ibis*, 1859, p. 227 (Dueñas, April); *A. & E. Newt. t. c.* p. 255 (St. Croix); *Cooper & Suckley, N. H. Washington Territory*, p. 220 (1860); *Reinh. Ibis*, 1861, p. 9 (Greenland); *Irby, t. c.* p. 238 (Banks of Gogra & Choka); *Blakiston, Ibis*, 1862, p. 129 (Hudson's Bay; Mackenzie R.); *Wright, Ibis*, 1865, p. 463 (Malta); *Scl. & Salv. P. Z. S.* 1866, p. 567 (R. Ucayali); *Dresser, Ibis*, 1866, p. 33 (Texas); *Léot. Ois. Trinidad*, p. 394 (1866); *Scl. P. Z. S.* 1867, p. 331 (Chili); *id. & Salv. P. Z. S.* 1869, p. 580 (Cosnipata, Peru); *Dall & Bann. Trans. Chic. Acad.* i. p. 280 (1869: St. Michael's); *Finsch, P. Z. S.* 1870, p. 587 (Trinidad); *Stevens, U.S. Geol. Surv. Terr.* 1870, p. 405 (Rock Creek, Wyoming); *Gray, Hand-l. B.* iii. p. 14, no. 9983 (1871)

Trippe, Proc. Bost. Soc. N. H. xv. p. 240 (1872: Southern Iowa, spring & autumn); *Sclat. & Salv. P. Z. S.* 1873, p. 309 (Nauta); *id. Nomencl. Av. Neotr.* p. 142 (1873); *Snow, B. Kansas*, p. 9 (1873); *Tacz. P. Z. S.* 1874, p. 559 (Chorillos); *Swinh. Ibis*, 1875, p. 452 (Hakodadi); *Gundl. Orn. Cubana*, p. 296 (1876); *Seebohm, Ibis*, 1877, p. 165 (Heligoland); *Durnf. Ibis*, 1877, p. 197 (Buenos Ayres); *Reid, Zool.* 1877, p. 474 (Bermudas, autumn); *Lawr. Proc. U.S. Nat. Mus.* iii. p. 257 (1880: Dominica); *Zeledon, Cat. Aves Costa Rica*, p. 30 (1882); *White, P. Z. S.* 1882, p. 628 (Buenos Ayres); *Gurney, Ibis*, 1883, p. 198 (Leadenhall Market, Nov.); *Barrows, Auk*, i. p. 313 (1884: Bahia Blanca); *Tacz. Orn. Pérou*, iii. p. 340 (1886); *Salv. Ibis*, 1886, p. 178 (R. Yurauni, Brit. Guiana); *Withington, Ibis*, 1888, p. 472 (Lomas de Zamora); *Seebohm, Ibis*, 1892, p. 23 (Heligoland).

Charadrius xanthocheilus, *Wagl. Syst. Av.*, Charadrius, p. 68, sp. 36 (1827); *Gray, in Dieffenb. Trav. New Zeal.* ii. App. p. 195 (1843); *id. Gen. B.* iii. p. 544 (1847); *Gould, B. Austr.* vi. pl. 13 (1848); *Macgill. Voy. Rattlesn.* ii. p. 358 (1852); *Gray, P. Z. S.* 1858, pp. 187, 197; *Cass. U.S. Expl. Exped.* p. 325 (1858); *Gray, Cat. Mamm. & B. New Guin.* pp. 51, 62 (1859: Aru Is.); *id. P. Z. S.* 1861, p. 438; *id. Ibis*, 1862, p. 234; *Rosenb. Nat. Tijdschr. Nederl. Ind.* xxv. p. 253 (1863); *id. J. f. O.* 1864, p. 135 (Aru Is.); *Finsch, Neu-Guinea*, p. 181 (1865); *Marie, Act. Soc. Linn. Bord.* xxvii. p. 314 (1870: New Caledonia); *Gray, Hand-l. B.* iii. p. 14, no. 9986 (1871); *Layard, Ibis*, 1884, p. 123 (Norfolk Isl.); *Etheridge, Lord Howe Island, Zool.* p. 17 (1889).

Charadrius marmoratus, *Wagl. Syst. Av.*, Charadrius, p. 70, sp. 42 (1827, *ex Temm. MSS.*); *Audub. Orn. Biogr.* v. p. 575 (1839); *id. B. Amer.* 8vo, v. p. 203, pl. 316 (1842); *Lembeye, Av. Cuba*, p. 105 (1850); *Putnam, Proc. Ess. Inst.* i. p. 216 (1856: Massachusetts); *Brewer, Proc. Bost. Soc. N. H.* vii. p. 308 (1860: Cuba).

Charadrius taitensis, *Less. Man. d'Orn.* ii. p. 321 (1828).

Charadrius virginianus, *Jard. & Selby, Ill. Orn.* ii. pl. 85 (1830); *Gould in Darwin's Voy. 'Beagle,' Birds*, p. 126 (1841: La Plata); *Fraser, P. Z. S.* 1843, p. 118 (Chili); *Gray, Voy. Ereb. & Terr., Birds*, p. 11 (1846); *Cab. in Schomb. Reis. Guian.* iii. p. 750 (1848); *Hartl. Archiv für Nat.* 1852, p. 134 (Fiji; Tonga; Samoa; Society Is.; Paumotu; Kingsmill Is.); *Burm. Th. Bras.* iii. p. 357 (1856: Santa Catarina); *id. Reise La Plata-St.* ii. p. 501 (1861); *March, Proc. Philad. Acad.* 1863, p. 66 (Jamaica); *Lawr. Ann. Lyc. N.Y.* viii. p. 98 (1864: Sombrero); *Finsch, P. Z. S.* 1870, p. 587 (Trinidad); *Lawr. Proc. U.S. Nat. Mus.* i. p. 67 (1878: Dominica), p. 197 (St. Vincent), p. 238 (Antigua), p. 241 (Barbuda), p. 265 (Grenada), p. 461 (Guadaloupe), p. 488.

Charadrius glaucopus, *Forster, Descr. Anim.* p. 176 (1844: Otaheite).

Charadrius pluvialis orientalis, *Temm. & Schl. Faun. Jap.* p. 104, pl. 62 (1845–50).

Charadrius virginianicus, *Tschudi & Cab. Faun. Peruan., Aves*, pp. 49, 296 (1845–46).

Charadrius auratus longipes, *Schl. Vogels van Nederl.* p. 211 (1854–58).

Pluvialis fulvus, *Bp. C. R.* xliii. p. 417 (1856); *Schl. Mus. Pays-Bas*, Cursores, p. 50 (1865); *Degl. & Gerbe, Orn. Eur.* ii. p. 125 (1867); *Vorderm. Nat. Tijdschr. Nederl. Ind.* xlii. p. 76 (1882: Batavia).

Pluvialis virginicus, *Bp. C. R.* xliii. p. 417 (1856).

—Pluvialis longipes, *Bp. t. c.* p. 417; *Loche, Expl. Sci. Algér., Ois.* ii. p. 264 (1867).

Pluvialis xanthocheilus, *Bp. t. c.* p. 417.
Pluvialis taitensis, *Bp. t. c.* p. 417.
Charadrius mongolicus (*nec Pall.*), *Blakist. Ibis*, 1862, p. 330 (Hakodadi).
Charadrius longipes, *Temm. Mus. Lugd.*; *Blasius, Ibis*, 1862, p. 71 (Heligoland); *Cass. Proc. Philad. Acad.* 1862, p. 321 (Bonin Is.); *Blakist. Ibis*, 1863, p. 100 (Hakodadi); *Swinh. t. c.* p. 404 (Formosa, breeding); *Sel. P. Z. S.* 1863, p. 17 (Banjarmassing); *Wright, Ibis*, 1864, p. 141 (Malta); *Hartl. t. c.* p. 232 (Fiji Is.); *Jerd. B. Ind.* iii. p. 636 (1864); *Swinh. Ibis*, 1865, p. 355 (Takow); *Wright, t. c.* p. 462 (Malta); *Swinh. Ibis*, 1866, p. 134 (Formosa, July); *Blyth, Ibis*, 1867, p. 163; *Beavan, Ibis*, 1868, p. 389 (Julpigoorie); *Swinh. Ibis*, 1870, p. 300 (Hainan); *Blanf. t. c.* p. 470 (Bassein distr., Pegu); *Godwin-Austen, J. A. S. Beng.* xxxix. p. 273 (1870: Khasia Hills); *Blanf. op. cit.* xl. p. 209 (1871: Wardha Valley; not observed); *Gray, Hand-l. B.* iii. p. 14, no. 9884 (1871); *Hume & Henders. Lahore to Yark.* p. 284 (1873: Yarkand, Aug.); *Seebohm, Ibis*, 1877, p. 165 (Heligoland); *Ramsay, Proc. Linn. Soc. N. S. W.* i. p. 70 (1877: Fiji Is.), p. 218 (N. S. W.); *id. op. cit.* ii. p. 197 (1878); *Müller, J. f. O.* 1882, p. 82 (Salanga); *Murray, Vertebr. Faun. Sind*, p. 224 (1884).
Pluvialis fulvus americanus, *Schl. Mus. Pays-Bas*, Cursores, p. 53 (1865: Labrador; Mexico; Venezuela; Brazil).
Charadrius orientalis, *Gould, Handb. B. Austr.* ii. p. 225 (1865); *Masters, Proc. Linn. Soc. N. S. W.* i. p. 60 (1877: Cocoanut Isl.; Cape Grenville; Bet Isl.).
Charadrius pluvialis americanus, *Sunder. Efv. Vet.-Akad. Förh.* 1868, p. 588 (St. Bartholomew), p. 602 (Porto Rico).
Charadrius fulvus, var. virginicus, *Coues, Key N. Amer. B.* p. 243 (1872); *id. B. N.-West*, p. 449 (1874).
Charadrius pluvialis, var. virginicus, *Lawr. Ann. Lyc. N. Y.* x. p. 383 (1874: Illinois).
Charadrius fulvus virginicus, *Coues, Bull. U.S. Geol. Surv.* iv. p. 603 (1878: Moose R., Dakota); *Hartl. J. f. O.* 1883, p. 278 (Portage Bay, Alaska, June, July).
Charadrius dominicus fulvus, *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 108 (1880); *Coues, Check-l. N. Amer. B.* p. 96 (1882); *Nelson, Cruise R.S. 'Corwin,'* p. 84 (1883: Norton Sound); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 144 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 580 (1884); *Stejn. Bull. U.S. Nat. Mus.* no. 29, p. 104 (1885: Bering Isl.); *Turner, Auk*, ii. p. 157 (1885: Nearer Isl., Alaska); *A. O. U. Check-l. N. Amer. B.* p. 161 (1886); *Ridgw. Man. N. Amer. B.* p. 174 (1887); *Stejn. Proc. U.S. Nat. Mus.* xii. p. 380 (1889: Kauai).
Charadrius fulvus americanus, *Seebohm, Geogr. Distr. Charadr.* p. 100, (1888).

Adult male in breeding-plumage. Similar to *C. pluvialis*, but smaller, with slenderer tarsi, and distinguished by its smoky-brown axillaries: "bill dark olive; feet leaden grey; iris dark brown" (*J. Gould*). Total length 9 inches, culmen 0·95, wing 6·5, tail 2·4, tarsus 1·65.

Adult female. Similar to that of *C. pluvialis*, but distinguished by its smoky-brown axillaries. Total length 9 inches, wing 6·25.

Winter and immature plumage. Corresponds with that of

C. pluvialis, but the smoky-brown axillaries distinguish the species at all ages.

It has been the usual custom amongst ornithologists to recognize two races of the Smaller Golden Plover—an Eastern form, *C. fulvus*, and a Western one, *C. dominicus*. The latter form, which inhabits America, is, according to Mr. Seebohm, a slightly larger bird, with a wing measuring 6·8 to 7·5 inches, whereas in the Asiatic species, which visits Alaska also, the wing does not exceed 6·7 inches. The distance between the tips of the long secondaries and the tip of the wing is said by Mr. Seebohm to be shorter in Asiatic specimens than in American ones. On examination this proves to be the case in the majority of specimens, but it is by no means a constant character, and, as Mr. Seebohm himself allows, intermediate forms occur. In Mr. Ridgway's 'Manual' it is stated that *C. dominicus* has longer wings, relatively shorter tarsi and toes, and less golden coloration, especially in immature and winter plumages. The wing is given as 6·8–7·4 inches, and the tarsus 1·55–1·82. In *C. fulvus* the wing is stated to be 6·1–6·8 and the tarsus 1·6–1·8. It may, therefore, be admitted that there is a slight difference in the size of the two races, but they seem to overlap to such an extent that I have thought it best to unite them. The supposed more golden coloration of the Asiatic bird is not confirmed by our large series in the Museum.

Hab. The northern portions of both the Old and New Worlds in summer, wintering far to the South in both hemispheres. Its place in Europe, where it is only an occasional visitor, is taken by *C. pluvialis*. Specimens from Eastern North America are somewhat larger (*vide suprà*).

a, b. ♀ ad. et imm. sk.	Siberia.	Purchased.
c–d. ♂ ad. æstiv.; *e–h.* ♀ ad. æstiv. sk.	Valley of the Yen-e-sai, June, July (*H. S.*).	Seebohm Coll.
i. ♂ imm. sk.	Lake Baikal, Nov. 29 (*Dybowsky*).	Seebohm Coll.
k. ♂ imm. sk.	Zaidam, Sept. (*Prjevalsky*).	Seebohm Coll.
l. Imm. sk.	N.E. Siberia, Sept.	Seebohm Coll.
m. Ad. hiem. sk.	Muscat.	Colonel Mills [P.].
n. Ad. hiem. sk.	Mekran Coast (*E. A. Butler*).	Hume Coll.
o. ♂ ad. hiem.; *p, q, r.* ♀ ad. hiem. sk.	Karachi, Nov., Dec. (*E. A. Butler*).	Hume Coll.
s. Ad. hiem. sk.	Rajkote, Kathiawar, Sept. 24.	Colonel Hayes Lloyd [P.].
t. ♀ ad. æstiv. sk.	Yarkand, Aug. 26 (*G. Henderson*).	Hume Coll.
u. ♂ ad. hiem. sk.	Yarkand, Nov. 12 (*J. Biddulph*).	Hume Coll.
v. Ad. hiem. sk.	Afghanistan (*Griffith*).	India Museum.
w. Ad. hiem. sk.	Kotegurh.	Hume Coll.
x. Ad. æstiv. sk.	Etawah.	Hume Coll.
y. ♂ ad. æstiv. sk.	Allahabad, May 29 (*J. Cockburn*).	Hume Coll.

a. ♂ ad. hiem. sk.	Futtehgurh, Nov. 21 (*A. Anderson*).	Hume Coll.
a', *b'*, *c'*. ♀ ad. hiem. sk.	Futtehgurh, Nov. (*A. Anderson*).	Seebohm Coll.
d', *e'*. ♂ ad. hiem. sk.	Mogul Serai, Oudh, Dec. 4 (*W. E. Brooks*).	Hume Coll.
f'–*i'*. Ad. hiem. sk.	Oudh.	Pinwill Coll.
k'–*q'*. Ad. hiem. et æstiv. sk.	Nepal.	Hodgson Coll.
r'. Ad. hiem. sk.	Nepal (*B. H. Hodgson*).	India Museum.
s', *t'*. ♂ ad. æstiv. sk.	Nepal Valley, Sept. (*J. Scully*).	Hume Coll.
u'. Ad. hiem. sk.	Sikhim, Sept. (*L. Mandelli*).	Hume Coll.
v'. Ad. hiem. sk.	Bootan (*F. W. Montairo*).	India Museum.
w'–*z'*. ♂ ♀ ad. hiem. et æstiv. sk.	Shillong, Assam, Aug., Sept. (*J. Cockburn*).	Hume Coll.
a'', *b''*. Ad. hiem. sk.	N. Khasia Hills, Dec. (*A. W. Chennell*).	Tweeddale Coll.
c'', *d''*. Ad. hiem. sk.	Dacca.	Hume Coll.
e''–*h''*. ♂ ♀ ad. hiem. et æstiv. sk.	Calcutta, April, Dec. (*W. T. Blanford*).	Hume Coll.
i''. Ad. æstiv. sk.	Calcutta (*E. Blyth*).	Seebohm Coll.
k'', *l''*. ♂ ♀ hiem. sk.	Calcutta, Feb.	Colonel J. Biddulph [C.].
m'' *b*¹. ♂ ♀ ad. hiem. et æstiv. sk.	Raipur, Feb. to April.	Hume Coll.
*c*¹. Ad. hiem. sk.	Seoni.	Hume Coll.
*d*¹, *e*¹. Ad. hiem. sk.	Deccan (*Sykes*).	India Museum.
*f*¹–*i*¹. ♂ ♀ ad. hiem. sk.	Madras.	Hume Coll.
*k*¹. Ad. hiem. sk.	Ahmednuggur Distr. (*F. B. Fairbank*).	Tweeddale Coll.
*l*¹. Ad. hiem. sk.	Bombay, Feb. 7.	Hume Coll.
*m*¹ *p*¹. ♂ ♀ ad. hiem. sk.	Laccadives, Feb. March (*A. O. H.*).	Hume Coll.
*q*¹. Ad. hiem. sk.	Malabar Coast.	Tweeddale Coll.
*r*¹, *s*¹. Ad. hiem. sk.	Ceylon (*Nevill*).	Tweeddale Coll.
*t*¹. Ad. hiem. sk.	Ceylon.	Hume Coll.
*u*¹. ♀ ad. hiem. sk.	Salt Lake, Ceylon, Nov. 6 (*W. V. Legge*).	Dr. R. B. Sharpe [P.].
*v*¹, *w*¹. ♂ ♀ ad. hiem. sk.	Cotta, Ceylon, Sept. (*Hart*).	Hume Coll.
*x*¹, *y*¹ Ad. hiem. sk.	South Andamans, Dec., April (*R. G. W. R.*).	Tweeddale Coll.
*z*¹ *a*². ♂ ♀ ad. sk.	Port Blair, April, June, Sept. (*R. J. Wimberley*).	Hume Coll.
*f*² ♀ ad. hiem. sk.	Aberdeen, S. Andamans, Dec. (*W. Davison*).	Hume Coll.
*g*². ♂ ad. hiem. sk.	Preparis Island, Cocos, March (*W. Davison*).	Hume Coll.

h^4, i^4. ♀ ad. hiem. sk.	Elephant Point, Dec. (*J. Armstrong*).	Hume Coll.
k^4. ♂ ad. hiem. sk.	Akyab, April (*J. Armstrong*).	Hume Coll.
l^4. ♂ ad. æstiv. sk.	Pegu, May 2 (*E. W. O.*).	Oates Coll.
m^4, n^4. ♂ ♀ ad. hiem. sk.	Lower Pegu, Sept. (*E. W. O.*).	Oates Coll.
o^4. ♀ ad. hiem. sk.	Thavetmyo, Sept. (*R. G. W. R.*).	Tweeddale Coll.
p^4–r^4. ♀ ad. hiem. sk.	Tonghoo (*R. G. W. R.*).	Tweeddale Coll.
s^4. ♂ ad. hiem. sk.	Kaukaryit, Tenasserim, Oct. (*J. Darling*).	Hume Coll.
t^4–x^4. ♂ ♀ ad. hiem. sk.	Thatone, Oct. to Dec. (*W. Davison*).	Hume Coll.
y^4. ♂ ad. hiem. sk.	Moulmein, Dec. (*W. D.*).	Hume Coll.
z^4–a^5. ♂ ad. hiem. sk.	Amherst, Dec. (*W. D.*).	Hume Coll.
b^5. ♂ ad. hiem. sk.	Sittang River, Feb. (*W. D.*).	Hume Coll.
c^5. ♀ ad. hiem. sk.	Yea, March (*W. D.*).	Hume Coll.
d^5–f^5. ♂ ad. hiem. sk.	Mergui, Nov. to Jan. (*W. D.*).	Hume Coll.
g^5. ♂ ad. hiem. sk.	Pakchan, Jan. (*W. D.*).	Hume Coll.
h^5. ♂ ad. hiem. sk.	Bankasoon, April (*W. D.*).	Hume Coll.
i^5, k^5. Ad. æstiv. sk.	Saigon, Cochin China.	M. E. Pierre [P.].
l^5–s^5. ♂ ♀ ad. hiem. sk.	Salang, Feb. (*J. Darling*).	Hume Coll.
t^5, u^5. ♂ ♀ ad. hiem. sk.	Tonkah, Salang, Jan. (*J. Darling*).	Hume Coll.
v^5, w^5. ♂ ad. hiem. sk.	Nicobars, Jan., Feb. (*W. Davison*).	Hume Coll.
x^5. ♂ ad. hiem. sk.	Trinkut Island, Nicobars, Dec. (*R. J. Wimberley*).	Tweeddale Coll.
y^5–a^6. Ad. hiem. sk.	Penang (*Cantor*).	India Museum.
b^6–h^6. ♂ ♀ ad. hiem. sk	Salangore, Dec., March, April, Aug., Oct. (*W. Davison*).	Hume Coll.
i^6. Ad. hiem. sk.	Malacca (*Cantor*).	India Museum.
k^6. Ad. æstiv. sk.	Malacca (*Maingay*).	Tweeddale Coll.
l^6–p^6. ♂ ♀ ad. hiem. sk.	Singapore Island, Oct., Nov. (*W. D.*).	Hume Coll.
q^6. Ad. hiem. sk.	Singapore, Oct.	Capt. H. J. Kelsall [P.].
r^6. ♂ ad. hiem. sk.	China (*S. Bligh*).	Seebohm Coll.
s^6. Ad. hiem. sk.	China (*J. Reeves*).	Gould Coll.
t^6. ♂ ad. æstiv. sk.	Shanghai, May (*W. Cooper*).	Tweeddale Coll.
u^6. ♂ ad. æstiv.; v^6. ♀ ad. hiem. sk.	Canton, May (*R. Swinhoe*).	Seebohm Coll.
w^6. Ad. hiem. sk.	Canton.	Tweeddale Coll.
x^6. Ad. æstiv. sk.	Tientsin.	Gould Coll.
y^6–a^7. Ad. hiem. et æstiv. sk.	Amoy, May, Sept., Nov. (*R. Swinhoe*).	Seebohm Coll.
b^7. Ad. hiem. sk.	Amoy (*R. Swinhoe*).	Tweeddale Coll.
c^7. Ad. hiem. sk.	Amoy, Sept. (*R. Swinhoe*).	Hume Coll.
d^7–g^7. Ad. hiem. et æstiv. sk.	S.W. Formosa (*R. Swinhoe*).	Seebohm Coll.

h–*k*. Ad. hiem. sk.	S.W. Formosa (*R. Swinhoe*).	Tweeddale and Salvin-Godman Colls.
l. Ad. hiem. sk.	Takow, Formosa, Dec. (*R. Swinhoe*).	Seebohm Coll.
m, *n*. ♀ ad. hiem. et æstiv. sk.	Hakodadi, Japan, May, Oct. (*Blakiston*).	Seebohm Coll.
o. ♀ ad. hiem. sk.	Hakodadi, Oct. 3 (*H. Whitely*).	Tweeddale Coll.
p. ♂ ad. hiem. sk.	South Yezo, Sept. (*Blakiston*).	Seebohm Coll.
q–*s*. Ad. hiem. et æstiv. sk.	Yokohama (*H. Pryer*).	Seebohm Coll.
t, *u*. Ad. hiem. et æstiv. sk.	Liu Kiu Islands, Aug., Jan.	Seebohm Coll.
v. Ad. hiem. sk.	Sumatra.	India Museum.
w, *x*. ♂ ♀ ad. hiem. sk.	Acheen, Sumatra, Feb. 5 (*W. Davison*).	Hume Coll.
y, *z*. Ad. hiem. sk.	Ayer Angat, Sumatra, Nov. (*C. Bock*).	Tweeddale Coll.
a. Ad. hiem. sk.	Lampong, S.E. Sumatra (*E. C. Burton*).	Tweeddale Coll.
b, *d*. Ad. hiem. sk.	Java (*Horsfield*).	India Museum.
c, *f*. Ad. hiem. et æstiv. sk.	Java.	Tweeddale Coll.
g, *h*. Ad. hiem. sk	Java (*Leyden Museum*).	Salvin-Godman Coll.
i, *k*. ♂ ♀ ad. hiem. sk.	Java.	Seebohm Coll.
l. Ad. hiem. sk.	Flores.	Wallace Coll.
m, *o*. Ad. hiem. sk.	East Timor.	Wallace Coll.
p. Ad. hiem. sk.	Borneo.	Tweeddale Coll.
q. Ad. hiem. sk.	Labuan, Sept.	A. H. Everett, Esq. (*C.*).
r. Ad. hiem. sk.	Sarawak.	Wallace Coll.
s, *t*. ♂ ♀ ad. hiem. sk	Luzon, Feb. (*A. B. Meyer*).	Tweeddale Coll.
u, *v*. ♂ ♀ ad. hiem. sk.	San Mateo, Luzon, Feb. (*A. H. Everett*).	Tweeddale Coll.
w. Ad. hiem. sk.	Manila (*Maitland Heriot*).	Tweeddale Coll.
x. ♂ ♀ ad. æstiv. sk.	Cebu, April (*A. H. Everett*).	Tweeddale Coll.
a. ♀ ad. hiem. sk	S. Leyte, Sept. (*A. H. Everett*).	Tweeddale Coll.
b. ♀ ad. hiem. sk	Butuan, May (*A. H. Everett*).	Tweeddale Coll.
c, *d*. ♂ ♀ ad. hiem. sk.	Zamboanga.	Voy. H.M.S. 'Challenger.'
e. Ad. hiem. sk.	Celebes.	Tweeddale Coll.
f, *g*. ♂ ♀ ad. hiem. sk.	Makassar.	Wallace Coll.
h. Ad. hiem. sk	Menado.	Wallace Coll.
i. ♀ ad. hiem. sk.	Sanghir Isl., Dec. 4.	Seebohm Coll.
k. Ad. hiem. sk	Batchian	Wallace Coll.
l. Ad. hiem. sk.	Morty Island	Wallace Coll.
m. Ad. hiem. sk.	Ceram.	Wallace Coll.
n. Ad. hiem. sk.	Amboina.	Wallace Coll.

r^9. ♂ ad. hiem. sk.	Amboina.	Voy. H.M.S. 'Challenger.'
s^9. Ad. hiem. sk.	Tenimber Islands, Sept.	Dr. H. O. Forbes [C.].
t^9. Ad. hiem. sk.	Salawatti.	Wallace Coll.
u^9. Ad. hiem. sk.	Aru Islands.	Wallace Coll.
v^9. Ad. hiem. sk.	Raine's Island.	Gould Coll.
w^9, x^9. Ad. hiem. sk.	Port Essington.	Capt. Chambers [P.].
y^9. Ad. sk.	Cape York.	Gould Coll.
z^9–b^{10}. Ad. hiem. sk.	Queensland.	Salvin-Godman Coll.
c^{10}. Ad. sk.	Queensland.	Tweeddale Coll.
d^{10}. Ad. hiem. sk.	Moreton Bay.	Gould Coll.
e^{10}. Ad. hiem. sk.	Moreton Bay.	Seebohm Coll.
f^{10}. Ad. hiem. sk.	Gippsland Lakes, Australia.	Seebohm Coll.
g^{10}. Ad. sk.	New South Wales.	Gould Coll.
h^{10}, i^{10}. Ad. hiem. sk.	New South Wales.	Australian Museum [P.].
k^{10}. Ad. hiem. sk.	West Australia.	Government of West Australia [P.].
l^{10}, m^{10}. ♂ ♀ ad. hiem. sk.	Lord Howe Island, Sept. (*J. Macgillivray*).	Gould Coll.
n^{10}. Ad. hiem. sk.	New Zealand.	Miss R. Stone [P.].
o^{10}, p^{10}. Ad. hiem. sk.	Duke of York Island (*G. Brown*).	Tweeddale Coll.
q^{10}, r^{10}. Ad. hiem. sk.	Aneiteum, New Hebrides.	J. Macgillivray [C.].
s^{10}–u^{10}. Ad. hiem. sk.	Samoa.	Purchased.
v^{10}–y^{10}. Ad. hiem. sk.	Samoa.	Rev. J. S. Whitmee [P.].
z^{10}. ♀ ad. hiem. sk.	Nairai, Fiji Is., Nov. (*F. M. Rayner*).	Voy. H.M.S. 'Herald.'
a. ♀ ad. sk.	Ovalau, Sept. 21 (*E. L. Layard*).	Tweeddale Coll.
β, γ. ♀ ad. hiem. sk.	Suva, Fiji Is., Oct. (*Dr. Coppinger*).	Voy. H.M.S. 'Alert.'
δ. Ad. hiem. sk.	Taviuni, Fiji Is. (*Liardet*).	Salvin-Godman Coll.
ϵ. Ad. hiem. sk.	Tongatabu, Friendly Is. (*Dr. Coppinger*).	Voy. H.M.S. 'Alert.'
ζ. Ad. hiem. sk.	Society Islands.	Gould Coll.
η. Ad. æstiv. sk.	Bow Island.	Sir E. Belcher [P.].
θ. ♀ ad. hiem. sk.	Claremont Is., Aug. 31 (*J. Macgillivray*).	Voy. H.M.S. 'Rattlesnake.'
ι, κ. Ad. hiem. sk.	Hawai (*Knudsen*).	Prof. R. Collett [P.].
λ. Ad. hiem. sk.	South Greenland.	Dr. R. B. Sharpe [P.].
μ, ν. Ad. æstiv. sk.	Arctic America.	Capt. Collinson.
ξ. Ad. æstiv. sk.	Arctic America.	Sir G. Back.
o. Ad. æstiv. sk.	Arctic America.	Gould Coll.
π. ♀ ad. æstiv. sk.	Kotlik, Alaska, May 18 (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
ρ, σ, τ. ♂ ♀ ad. æstiv.; υ, ϕ, χ. Juv. sk.	St. Michael's, May, Aug. to Oct. (*E. W. Nelson: Hensh. Coll.*).	Salvin-Godman Coll.
ψ. ♀ ad. æstiv. sk.	Fort Reliance, Alaska, May (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.

ω, α'. ♂ ad. et imm. sk.	Fort Simpson, Aug., Sept.	B. R. Ross, Esq. [P.].
β'. Ad. æstiv. sk.	Fort Rae, Great Slave Lake, June (*L. Clarke*).	Salvin-Godman Coll.
γ'. Ad. æstiv. sk.	Hudson's Bay.	Hudson's Bay Co.
δ'. Ad. æstiv. sk.	Repulse Bay.	Dr. Rae [P.].
ε'. Ad. hiem. sk.	Moose Factory, Sept.	Seebohm Coll.
ζ'. Ad. hiem.; η'. Ad. æstiv. sk.	49th Parallel, May.	N.A. Boundary Commission.
θ', ι'. ♂ ♀ imm. sk.	British Columbia.	J. K. Lord, Esq. [P.].
κ'. Ad. æstiv. sk.	Ontonagon, Michigan, Sept. (*A. J. Dayan*: *Hensh. Coll.*).	Salvin-Godman Coll.
λ'. ♂ ad. æstiv. sk.	Massachusetts (*Hensh. Coll.*).	Salvin-Godman Coll.
μ'. ♂ ad. hiem. sk.	Carlisle, Pennsylvania, Sept. 23.	Salvin-Godman Coll.
ν', ξ', ο'. ♂ ♀ ad. hiem. sk.	San Antonio, Texas, Jan. (*H. E. Dresser*).	Salvin-Godman Coll.
π'. ♂ ad. hiem. sk.	Brownsville, Texas, March (*F. B. Armstrong*).	Salvin-Godman Coll.
ρ'. ♂ ad. hiem. sk.	Papalote, Bee Co., Texas, Feb. (*F. B. A.*).	Salvin-Godman Coll.
σ', τ'. ♂ ad. hiem. sk.	Hidalgo, Texas, March (*F. B. A.*).	Salvin-Godman Coll.
υ'. Ad. hiem. sk.	Guatemala.	Seebohm Coll.
φ'. ♂ ad. hiem. sk.	Dueñas, Guatemala, April 12 (*O. S.*).	Salvin-Godman Coll.
χ'. ♀ ad. hiem. sk.	Medellin, U.S. Colombia (*T. K. Salmon*).	Salvin-Godman Coll.
ψ', ω'. Ad. hiem. sk.	St. Vincent, W.I., Sept., Oct. (*H. H. Smith*).	Salvin-Godman Coll.
ϡ', ϟ'. Ad. et juv. hiem. sk.	Grenada, Sept., Oct. (*H. H. Smith*).	Salvin-Godman Coll.
ζ''. Ad. hiem.; η''. Ad. æstiv. sk.	Barbados.	Sir R. Schomburgk [P.].
θ''. Ad. hiem. sk.	Trinidad.	Old Coll.
ι''. Ad. æstiv. sk.	Maroni River, Surinam (*Kappler*).	Salvin-Godman Coll.
κ''. ♀ ad. æstiv. sk.	Roraima, British Guiana, Sept. (*H. Whitely*).	Salvin-Godman Coll.
λ''. Ad. hiem. sk.	Amazons (*Hensh. Coll.*).	Salvin-Godman Coll.
μ'', ν''. ♂ ♀ ad. hiem. sk.	Nauta, Peruvian Amazons, Jan. (*E. Bartlett*).	Seebohm Coll.
ξ''. ♀ ad. æstiv. sk.	Villa Maria, Brazil, Sept. (*J. Natterer*).	Salvin-Godman Coll.
ο''. ♀ ad. hiem. sk.	Curytiba, Brazil, Nov. (*J. Natterer*).	Salvin-Godman Coll.
π''. ♀ ad. hiem. sk.	Pelotas, Rio Grande do Sul (*Jayner*).	Salvin-Godman Coll.
ρ'', σ''. ♂ ♀ ad. hiem. sk.	Chapada, Matto Grosso, Oct., Nov. (*H. H. Smith*).	Salvin-Godman Coll.
τ''. Ad. hiem. sk.	Bolivia (*Forbes*).	Salvin-Godman Coll.
υ''. ♀ ad. hiem. sk.	Tambo Valley, Peru, Oct. (*H. Whitely*).	Tweeddale Coll.
φ''. ♀ ad. hiem. sk.	Tambo Valley, Peru, Nov. (*H. Whitely*).	Salvin-Godman Coll.

χ''. ♀ ad. hiem. sk.	Tambo Valley, Peru, Nov. (*H. Whitely*).	Seebohm Coll.
ψ''. ♂ ad. æstiv. sk.	Cosnipata, Peru, Sept. (*H. Whitely*).	Seebohm Coll.
ω''. Ad. æstiv. sk.	Cosnipata, Peru, Oct. (*H. Whitely*).	Tweeddale Coll.
α^3. Ad. hiem. sk.	Central Chili (*Landbeck*).	Berkeley James Coll.
β^3. Ad. hiem. sk.	Moreno, Buenos Ayres, Feb. 6.	H. Durnford, Esq. [P.].
γ^3. ♀ ad. hiem. sk.	Lomas de Zamora, Buenos Ayres, Feb. (*Withington*).	Sclater Coll.

25. APHRIZA.

Aphriza, *Audub. Syn.* p. 225 (1839)..... Type. A. virgata.

Cf. Shufeldt, Journ. Morph. ii. no. 2, pp. 311–340, pl. xxv.

Range. Western America, from Alaska to Chili.

1. Aphriza virgata.

Streaked Sandpiper, *Lath. Gen. Syn.* iii. pt. 1, p. 180 (1785: Sandwich Sound).
Boreal Sandpiper, *Lath. t. c.* p. 181 (1785: King George's Sound).
Tringa virgata, *Gm. Syst. Nat.* i. p. 674 (1788).
Tringa borealis, *Gm. Syst. Nat.* i. p. 674 (1788).
Aphriza townsendi, *Audub. B. Amer.* pl. 428; *id. Orn. Biogr.* v. p. 249 (1839); *id. Syn.* p. 226 (1839); *id. B. Amer.* 8vo, v. p. 228, pl. 322 (1842); *Gray, List Gralla Brit. Mus.* p. 72 (1844: Chili).
Charadrius winterfeldti, *Tschudi, Arch. f. Naturg.* 1843, p. 388; *id. & Cab. Faun. Peruan., Aves*, p. 296, Taf. xxxiv. (1845–46).
Aphriza virgata, *Gray, Gen. B.* iii. p. 548, pl. 147 (1847); *Cass. B. N. Amer.* p. 608 (1858); *Sclat. P. Z. S.* 1859, p. 236 (Vancouver Isl.); *Brown, Ibis*, 1867, p. 424; *Dall & Bann. Tr. Chicago Acad.* i. p. 200 (1869: Sitka); *Coues, Key N. Amer. B.* p. 245 (1872); *Sclat. & Salv. Nomencl. Av. Neotr.* p. 143 (1873); *Lawr. Mem. Bost. Soc. N. H.* ii. p. 307 (1874: Colima); *Sharpe, P. Z. S.* 1881, p. 15 (Van Isl., Trinidad Channel); *Coues, Check-l. N. Amer. B.* p. 98 (1882); *Nelson, Cruise R.S. 'Corwin,'* p. 83 (1883); *Coues, Key N. Amer. B.* 2nd ed. p. 605 (1884); *Baird, Brewer, & Ridgw. Water-B. N. Amer.* i. p. 126 (1884); *Turner, Contr. N. H. Alaska*, p. 126 (1886: Kadiak, Sannakh Isl.); *A. O. U. Check-l. N. Amer. B.* p. 164 (1886); *Taczan. Orn. Pérou*, iii. p. 348 (1886: Coast of Peru); *Ridgw. Man. N. Amer. B.* p. 180 (1887); *Oust. Miss. Sci. Cap Horn*, p. 294 (1891); *Berkeley James, New List Chilian B.* p. 11 (1892).
Strepsilas borealis, *Gay, Faun. Chilen., Zool.* i. p. 408 (1847).
Aphriza borealis, *Bp. C. R.* xliii. p. 420 (1856).
Strepsilas virgatus, *Schl. Mus. Pays-Bas*, Cursores, p. 45 (1865); *Seebh. Geogr. Distr. Charadr.* p. 412 (1888).

Adult male in winter plumage. General colour above dark greyish brown, with slightly indicated dusky centres to the feathers; lower rump and under tail-coverts white; wing-coverts like the back, the

primary-coverts tipped with white; greater coverts also white at the ends, forming a broad wing-band; primaries white at base, and having white shafts; secondaries also edged with white at the tips, and having the bases white, this increasing towards the inner secondaries, which are almost wholly white, with only a little irregular black marking; tail-feathers black, fringed with white at the ends, and having broad black bases, the white increasing towards the outer feather; head like the back, as also the sides of the face and lores, the latter surmounted by a broad white streak, which extends over the eye; throat white; lower throat and chest dark ashy brown, mottled on the latter with a few dark cross-bars; remainder of under surface of body pure white, with a few longitudinal streaks or arrow-head markings of black on the sides of the body; under wing-coverts and axillaries white, the lower primary-coverts ashy grey, forming a patch: "feet olive-green, claws black; iris black; eyelids black" (*Dr. Coppinger*). Total length 9·5 inches, culmen 0·95, wing 6·6, tail 2·6, tarsus 1·15, middle toe and claw 1·2.

Adult in breeding-plumage. Seems to be darker than in winter. Blackish, with white or rufous spots on the feathers, while the under surface is spotted with arrow-head markings of blackish brown.

Young. Very much like the adults, but with narrow whitish fringes to the feathers of the upper surface, these fringes having sub-terminal lines of blackish; throat and chest white, thickly mottled with ashy cross-bars; the flanks with small spots and streaks of blackish.

Hab. Western North America, from Alaska south to Chili.

a. *b*. Ad. ♂.	N.W. America.	Purchased.	
c [illegible] ♂.	St. Michael's, Alaska, Aug. 19 (*E. W. Nelson: Hensh. Coll.*).	Salvin-Godman Coll.	
d Ad. ♂	Vancouver Island.	J. K. Lord, Esq. (C.).	
e Ad. ♂	Oreas Island.	Dr. Lyall, R.N.	
f Ad. ♂.	Central Chili (*Landbeck*).	Berkeley James Coll.	
g. *h*. Ad. ♂.	Chili.	Bridges Coll.	
i Ad. ♂	Chili (*T. Bridges*).	Salvin-Godman Coll.	
k [illegible] Ad. ♂	Van Islands, Straits of Magellan, Feb. 13.	Dr. Coppinger R.N.	

26. OCHTHODROMUS.

	Type.
Ochthodromus, *Reichenb. Av. Syst. Nat.* p. xviii (1852).	O. wilsoni.
Cirrepteamus, *Bp. C. R.* xlvii. p. 417 (1856)	O. geoffroyi.
Hiaticorhynchus, *Bp. C. R.* xlvii. p. 417 (1856).	O. obscurus.
Hyperorya, *Heine, Nomencl. Mus. Hein.* p. 336 (1890)	O. obscurus.

Range. With the exception of Western Europe, Western Africa, the extreme south of South America, and Oceania, nearly cosmopolitan.

Key to the Species.

α. Summer plumage.

a. Axillaries and under wing-coverts white.
- *a'.* Entire under surface of body rufous; no bands of black or chestnut ..... *obscurus*, p. 211.
- *b'.* With a band of black or rufous on the fore-neck or chest.
  - *a''.* With a single band of black (♂), or more or less rufescent ashy brown (♀), across the fore-neck; no chestnut or cinnamon band; forehead and eyebrow separated from the head by a band of black (♂), often absent (♀) ..... *wilsoni*, p. 214.
  - *b''.* With a black band across the fore-neck, followed by a white band on the chest, and by a second band of chestnut across the breast ..... *bicinctus*, p. 212.
- *c'.* No black band on the fore-neck; a chestnut or cinnamon band on the chest, bordered above with a line of black (in *O. mongolus*), or below (in *O. asiaticus*).
  - *c''.* Bill stout; head rufescent; forehead white, with a black band on the fore part of the crown, or else entirely black; a streak from the bill and along the ear-coverts black; hind-neck rufous.
    - *a'''.* Size large: culmen 1 inch; forehead white; no black line above the rufous chest-band ..... *geoffroyi*, p. 217.
    - *b'''.* Size smaller: culmen not exceeding 0·9 inch.
      - *a⁴.* Forehead black; a pale cinnamon collar on the hind-neck; no black line above the chest-band, which is pale cinnamon ..... *pyrrhothorax*, p. 226.
      - *b⁴.* Forehead white; a chestnut or rufous collar on the hind-neck; a black line along the upper margin of the chestnut chest-band, often absent (? ♀) .. *mongolus*, p. 223.
      - *c⁴.* Forehead white; no rufous collar on hind-neck, the head being like the back; sides of face white; no black on forehead or ear-coverts; a black band on the lower margin of the rufous chest-band ..... *asiaticus*, p. 230.

b. Axillaries and under wing-coverts smoky brown, as also the quill-lining; forehead broad, white, and extending to the sinciput; a distinct black horse-shoe below the chestnut band on the chest ..... *veredus*, p. 232.

β. Winter plumage.

a. Axillaries white (with occasionally a slight shade of ashy near the base, in *O. mongolus* and *O. asiaticus*); under wing-coverts white.

a'. A collar of ashy brown across the fore-neck or lower throat.
  a''. Wing exceeding 5 inches.
    a'''. Feet dark brown; collar confined to throat and very narrow; quill-lining distinctly white ..... *obscurus*, p. 211.
    b'''. Feet lighter and more yellowish brown; lower throat, fore-neck, and chest ashy grey; quill-lining dark, dull ashy .... *asiaticus*, p. 230.
  b''. Wing less than 5 inches.
    c'''. Feet yellow; collar on fore-neck well-defined; bill very stout ..... *wilsoni*, p. 214.
    d'''. Feet dark; collar ill-defined on fore-neck; bill slender.
      a⁴. Central upper tail-coverts dark brown, not tipped with white; lateral upper tail-coverts tipped or edged with white, not conspicuous ..... *bicinctus*, p. 212.
      b⁴. Central upper tail-coverts tipped with white; lateral upper tail-coverts entirely white ..... *pyrrhothorax*, p. 226.
b. No complete collar across the fore-neck, which is white like the rest of the under surface; sides of chest with a brown patch.
  c''. Larger: culmen 1 inch ..... *geoffroyi*, p. 217.
  d''. Smaller: culmen 0·75 inch..... *mongolus*, p. 223.
b. Axillaries, under wing-coverts, and quill-lining smoky brown ..... *veredus*, p. 232.

1. Ochthodromus obscurus.

Dusky Plover, *Lath. Gen. Syn.* iii. pt. 1, p. 208 (1785: Dusky Bay, N. Z.).

Charadrius obscurus, *Gm. Syst. Nat.* i. p. 686 (1788); *Vieill. N. Dict. d'Hist. Nat.* xxvii. p. 143 (1818: New Zealand); *Wagl. Syst. Av.*, Charadrius, p. 68, sp. 35 (1827); *Gray in Dieffenb. Trav. N. Zeal.* ii. App. p. 195 (1843); *id. List Grall. Brit. Mus.* p. 67 (1844: Mount Egmont, N. Z.); *id. Voy. Ereb. & Terr., Birds*, p. 11, pl. ix (1846: Waikonati, Sept.); *id. Gen. B.* iii. p. 544 (1847); *Reichenb. Grall.* tab. cv. fig. 1008 (1851); *Gray, Ibis*, 1862, p. 234; *Potts, Trans New Zeal. Inst.* ii. p. 68 (1870: Dog Range, Ashburton distr., breeding); *Gray, Hand-l. B.* iii. p. 14, no. 9888 (1871); *Finsch, J. f. O.* 1872, p. 168 (N. Z.); *Buller, B. New Zeal.* p. 208 (1873: Mountains of New Zealand); *Finsch, J. f. O.* 1874, p. 193; *Sharpe, Voy. Ereb. & Terr., Birds*, App. p. 20 (1875); *Seebohm, Geogr. Distr. Charadr.* p. 151, pl. vi. (1888); *Buller, B. New Zeal.* 2nd ed. ii. p. 1, pl. xxv. fig. 1 (1888).

Charadrius glareola, *Licht. ed. Forster, Descr. Anim.* p. 109 (1844).

Pluvialorhynchus obscurus, *Bp. C. R.* xliii. p. 417 (1856).

Hyetuceryx obscurus, *Heine & Reichen. Nomencl. Mus. Hein.* p. 336 (1890: New Zealand; New Ireland).

Adult in *breeding-plumage*. General colour above brown, with a slight greenish gloss, most of the feathers with rufous margins; the head like the back; the hind-neck only slightly paler; rump and

upper tail-coverts dusky brown, the latter fringed with white at the ends, the lateral ones white along the outer webs; wing-coverts more ashy brown than the back, the median and greater series margined with hoary white; bastard-wing, primary-coverts, and quills blackish, with white fringes at the ends; the primaries white-shafted and lighter brown along the inner web, inclining to whitish at the base, leaving the outer web and the tips blackish, the inner primaries white at the base externally, forming a wing-patch; secondaries brown, white at the base, and edged with white, this white gradually increasing on the outer web, till it occupies the whole of it on the inner quills, which are also white at the ends; the innermost long secondaries brown like the back; tail-feathers dark brown, whitish at the ends, the outer feathers smoky-brown, white at the tip and along the margins of both webs; base of forehead dingy white, as well as a broad eyebrow; lores, fore part of cheeks, and sides of face dusky brown, mottled with buff below the eye; hinder cheeks, throat, and under surface of body cinnamon-rufous, white on the lower flanks, thighs, and under tail-coverts; under wing-coverts, axillaries, and quill-lining white; lower primary-coverts light ashy, like the quills below: "bill black; feet leaden-grey; iris black" (*W. L. Buller*). Total length 10 inches, culmen 1·1, wing 6·5, tail 2·7, tarsus 1·5.

Adult in winter plumage. Differs from the summer plumage in being darker ashy brown above, without the rufous margins to the feathers; lores and eyebrow, as well as the under surface of the body, white, with a band of ashy brown across the lower throat.

Hab. New Zealand. Drs. Heine and Reichenow record a specimen in the "Museum Heineanum" from New "Ireland," but this is doubtless a mistake for New "Zealand."

a, *b*. Ad. hiem. st.	New Zealand.	Capt. Stokes [P.].
c. Ad. æstiv. st.	New Zealand.	Percy Earl, Esq. [C.].
d. Imm. sk.	New Zealand.	New Zealand Co. [P.].
e. Ad. sk.	New Zealand.	Seebohm Coll.
f, *g*, *h*. Ad. sk.	New Zealand.	Sir George Grey [P.].
i. Ad. æstiv. sk.	New Zealand.	Tweeddale Coll.
k. ♀ ad. æstiv. sk.	Otago, N. Z., Nov.	Hume Coll.
l. Ad. hiem. sk.	Port Cooper, N. Z.	Capt. Stokes [P.].

2. Ochthodromus bicinctus.

Charadrius bicinctus, *Jard. & Selby, Ill. Orn.* i. pl. 28 (1825); *Gray, Gen. B.* iii. p. 544 (1847); *Bp. C. R.* xliii. p. 417 (1856); *Schl. Mus. Pays-Bas*, Cursores, p. 37 (1865: Tasmania; Lord Howe Isl.); *Potts, Tr. N. Zeal. Inst.* ii. p. 67 (1870); *Gray, Hand-l. B.* iii. p. 16, no. 10013 (1871); *Finsch, J. f. O.* 1873, p. 169; *Buller, B. N. Zeal.* p. 211 (1873); *Finsch, J. f. O.* 1874, p. 193; *Sharpe, Voy. Ereb. & Terr.*, App. p. 29 (1875); *Finsch, Ibis*, 1882, p. 399 (N. Zeal.); *id. Vög. der Südsee*, p. 84 (1884: N. Zealand);

Buller, B. New Zeal. 2nd ed. p. 3 (1888); *Seebohm, Geogr. Distr. Charadr.* p. 149 (1888); *Etheridge, Lord Howe Isl.* p. 17 (1889); *Forbes, Ibis*, 1893, p. 528 (Chatham Isl.).

Eudromias xanthocheilus (*nec Wagl.*), *Gray, List Grallæ Brit. Mus.* p. 68 (1844: Tasmania).

Ægialitis bicincta, *Gould, Syn. B. Austr.* pt. ii. pl. 32. fig. 3 (1837); *Harting, Ibis*, 1870, p. 202; *Ramsay, P. Z. S.* 1877, p. 337 (Cardwell); *id. Proc. Linn. Soc. N. S. W.* ii. p. 197 (1878); *Salvad. Orn. Papuasia*, iii. p. 305, note (1882); *Ramsay, Proc. Linn. Soc. N. S. W.* vii. p. 88 (1883: Lord Howe Isl.); *id. Tab. List Austr. B.* p. 19 (1888: nearly the whole of Australia; S.E. New Guinea); *Crowfoot, Ibis*, 1885, p. 270 (Norfolk Isl.); *Legge, Proc. Austr. Assoc. Sci.* 1892, p. 38.

Hiaticula bicincta, *Gray, Voy. Ereb. & Terr., Birds*, p. 12 (1846); *Gould, B. Austr.* vi. pl. 16 (1846); *Reichenb. Vog. Neuholl.* p. 41 (1850).

Ochthodromus bicinctus, *Heine & Reichen. Nomencl. Mus. Hein.* p. 337 (1890).

Adult male in breeding-plumage. General colour above brown, with a very evident green gloss, some of the feathers edged with sandy rufous; wing-coverts like the back, the greater coverts with a narrow white tip, forming a narrow wing-bar; bastard-wing and primary-coverts dark brown, the latter with white tips; quills brown, darker brown along the outer webs and at the ends; the primaries white-shafted, the inner ones also having a white base to the outer web, forming a small wing-patch; secondaries also brown, the inner ones fringed with white near the end of the outer web and white-shafted, the innermost ones like the back; rump and upper tail-coverts brown, the sides of the rump and the lateral coverts white; tail-feathers brown, tipped with white, before which is a sub-terminal shade of darker brown, less distinct on the outer feathers, the outermost white, with a shade of smoky brown on the inner web; crown of head brown like the back, separated from the white forehead and eyebrow by a band of black: lores and feathers round the eye black; sides of face and sides of neck brown; throat white, separated from the brown face by a line of black, which skirts the throat along the cheeks and down the sides of the neck, and joins a broad band across the fore-neck, the sides of this band brown; across the chest a broad white band followed by another broad crescentic band of deep chestnut; remainder of under surface of the body, as well as the under wing-coverts and axillaries, pure white; lower primary-coverts and quill-lining ashy grey: "bill black, slightly tinged with olive; feet pale sickly yellowish white, the joints of toes and knees greener; iris blackish brown; eyelid scarlet" (*J. Gould*). Total length 7·5 inches, culmen 0·8, wing 4·95, tail 2·15, tarsus 1·25.

Adult in winter plumage. Differs from the summer plumage in wanting the bands of black and chestnut on the under surface, the place of the black band on the fore-neck being indicated by a shade of brown across this part; entire upper surface dark brown, including the head; forehead white, but without the black band of

the breeding-plumage; an indistinct white eyebrow; ear-coverts blackish; lores with a dusky streak.

Young. Similar to the adult in winter plumage, but having all the feathers of the upper surface edged with sandy buff, with a rufescent tinge on the sides of the face and eyebrow; under surface of body white, with a tinge of sandy buff on the lower throat and fore-neck, the lateral feathers mottled with black bases, indicating the position of the black band in the adults; the sides of the lower breast also tinged with sandy buff, where the chestnut band is developed in the adult bird.

Nestling. Feathers of the upper parts brown, largely margined with fulvous; underparts white, with fulvous markings on the breast; the sides of the head and the lower part of the back and rump covered with down of a dull sandy yellow, spotted with black, and with fluffy down still adhering to other parts of the body: bill dark brown; feet brownish grey (*W. L. Buller*).

Hab. Nearly the whole of Australia, Tasmania, Norfolk Island, and Lord Howe Island. Dr. Ramsay gives Southern New Guinea as a habitat also, but I have not found any confirmation of this locality.

a. Ad. sk.	Australia.	Gould Coll.
b. Ad. sk.	Australia.	Tweeddale Coll.
c, d. Ad. sk.	Queensland.	Salvin-Godman Coll.
e–g. Ad. sk.	Moreton Bay, Queensland.	Gould Coll.
h. ♂ imm. sk.; *i.* Imm. st.	Tasmania.	Ronald Gunn, Esq. [P.].
k. Imm. sk.	Tasmania.	Gould Coll.
l. ♂ ad. sk.	Lord Howe Island, Sept. 10 (*J. Macgillivray*).	Gould Coll.
m–o. Ad. et imm. sk.	New Zealand.	Purchased.
p. Ad. sk.	Canterbury, N. Z., July.	J. H. Gurney, Esq. [P.].
q, r. ♂ ♀ imm. sk.	Fort Cooper, N. Z.	Captain Stokes [P.].
s. ♀ ad. sk.	Otago, N. Z., Oct.	Hume Coll.

3. Ochthodromus wilsoni.

Charadrius wilsonia * *Ord in Wilson's Am. Orn.* ix. p. 77, pl. lxxiii. fig. 5 (1814: Cape Isl., New Jersey).

Charadrius wilsonius, *Vieill. N. Dict. d'Hist. Nat.* xxvii. p. 418 (1818); *Audub. B. Amer.* pl. ccix. (c. 1826); *id. Orn. Biogr.* iii. p. 73 (1835), v. p. 577 (1839); *id. B. Amer.* 8vo, v. p. 214, pl. 319 (1842); *Gray, Gen. B.* iii. p. 544 (1847); *Lembeye, Av. Cuba,* p. 106 (1850); *Brewer, Proc. Bost. Soc. N. H.* vii. p. 308 (1860: Cuba); *Schl. Mus. Pays-Bas,* Cursores, p. 30 (1865); *Pelz. Orn. Bras.* pp. 297, 455 (1871: Cujutuba, Feb.; Rio Muria); *Gray, Hand-l. B.* iii. p. 16, no. 10012 (1871); *Lawr. Pr. U.S. Nat. Mus.* i. p. 450 (1878: Guadeloupe).

Charadrius crassirostris, *Spix, Av. Bras.* ii. p. 77, pl. cxiv. (1825) *Cab. Schomb. Reis. Guian.* iii. p. 750 (1848).

Ægialitis wilsonia, *Bp. Comp. List B. Eur. & N. Amer.* p. 45 (1828); *Cass. in Baird's B. N. Amer.* p. 693 (1858: Cape May, New Jersey); *Bryant, Proc. Bost. Soc. N. H.* vii. p. 121 (1859:

* Certainly a misprint for *wilsonii*.

Bahamas); *Cass. Proc. Acad. Philad.* 1860, p. 378 (St. Thomas); *March, Proc. Acad. Philad.* 1864, p. 66 (Jamaica); *Dresser, Ibis*, 1866, p. 34 (Galveston Isl., Texas); *Salvin, t. c.* p. 197 (British Honduras); *Lawr. Ann. Lyc. N. Y.* viii. p. 294 (1867); *Scl. & Salv. P. Z. S.* 1868, p. 100 (Venezuela); *Allen, Bull. Harv. Coll.* ii. p. 355 (1871); *Coues, Key N. Amer. B.* p. 244 (1872); *Scl. & Salv. Nomencl. Av. Neotr.* p. 143 (1873); *Lawr. Tr. Bost. Soc. N. H.* ii. p. 307 (1874: Mazatlan); *Merrill, Pr. U.S. Nat. Mus.* i. p. 160 (1878: Fort Brown, Texas); *Cory, B. Bahamas*, p. 147 (1880); *A. & E. Newton, Handb. Jamaica*, p. 115 (1881); *Coues, Check-l. N. Amer. B.* p. 97 (1882); *id. Key N. Amer. B.* 2nd ed. p. 601 (1884); *Cory, B. S. Domingo*, p. 143 (1885); *Dutcher, Auk*, iii. p. 438 (1886: Shinnecock Bay; Long Island); *Salvin, Ibis*, 1886, p. 178 (British Guiana); *A. O. U. Check-l. N. Amer. B.* p. 163 (1886: south from Long Isl.; Nova Scotia); *Taez. Orn. Pérou*, iii. p. 343 (1886); *Cory, Auk*, iv. pp. 228, 229 (1887); *Ridgw. Man. N. Amer. B.* p. 175 (1887); *Scott, Auk*, vi. p. 159 (1889: Tarpon Springs, Florida); *Robinson, t. c.* p. 195 (James R., Virginia); *Cory, B. West Ind.* p. 228 (1889: Bahamas & Greater Antilles); *id. B. Bahamas*, 2nd ed. p. 147 (1890); *id. Auk*, vii. p. 374 (1890: Anegada), p. 375 (Virgin Gorda); *Northrop. Auk*, viii. p. 76 (1891: Conception Isl., Bahamas); *Cory, t. c.* p. 350 (Great Bahamas), p. 351 (Inagua Isl., Bahamas); *id. Cat. B. West Ind.* p. 95 (1892); *Scott, Auk*, ix. p. 15 (1892: Port Henderson, Jamaica, apparently resident); *Cory, t. c.* p. 48 (Maraguana, Bahamas); *Scott, t. c.* p. 212 (Florida).

Hiaticula wilsoni, *Gray, List Grall. Brit. Mus.* p. 70 (1844: N. America).

Ochthodromus wilsonius, *Reichenb. Grall.* p. xviii; *Bp. C. R.* xliii. p. 418 (1856); *Gundl. J. f. O.* 1874, p. 313 (Porto Rico), 1875, p. 333 (Cuba); *id. Orn. Cuba*, p. 180 (1876); *Ridgw. Pr. U.S. Nat. Mus.* iii. p. 199 (1880); *Belding, op. cit.* v. p. 545 (1883); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 168 (1884); *Zeledon, Pr. U.S. Nat. Mus.* viii. p. 113 (1885: Costa Rica); *Heine & Reichen. Nomencl. Mus. Hein.* p. 337 (1890: Cuba; Colombia).

Ægialitis wilsoniana, *Salvin, Ibis*, 1864, p. 387 (Grassy Cay, British Honduras), 1865, p. 191 (Guatemala, Pacific Coast); *Taez. P. Z. S.* 1877, p. 330 (Tumbez; Santa Lucia, Peru).

Ægialitis wilsonius, var. rufinuchus, *Ridgw. Amer. Nat.* viii. p. 109 (1874: Jamaica, Dec. & April).

Ægialitis wilsoni, *Zeledon, Cat. Aves Costa Rica*, p. 30 (1882); *Salvin, Ibis*, 1889, p. 379 (Cozumel).

Ægialitis wilsonius rufinuchus, *Ridgw. Pr. U.S. Nat. Mus.* vii. p. 177 (1884: Sabanilla, New Granada).

Ochthodromus wilsonius rufinuchus, *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 168 (1884).

Ægialitis wilsonia rufinucha, *Ridgw. Man. N. Amer. B.* p. 175 (1887).

Charadrius wilsoni, *Seebohm, Geogr. Distr. Charadr.* p. 154 (1888: Cape Orange; Camanu).

Ægialitis rufinucha, *Hartert, Ibis*, 1893, pp. 307, 335 (Bonaire).

Adult male in breeding-plumage. General colour above uniform dark brown, with a slight gloss of olive-green, the wing-coverts like the back, the greater series narrowly tipped with white; bastard-wing, primary-coverts, and quills dark brown, the first primary white-shafted, the rest with a part of the shaft white, and

the inner ones having an inconspicuous mark of white at the base of the outer web; the secondaries brown with white shafts, and paler bases to the inner webs, the innermost long secondaries brown like the back; rump brown, with a dusky patch; upper tail-coverts also brown, the lateral ones white, like the sides of the rump; tail-feathers light brown with white tips, before which is a sub-terminal shade of darker brown, evanescent towards the outer feathers, which are white, the penultimate one shaded with pale smoky brown; crown of head brown like the back, separated by a band of black from the forehead, which is white, as also the eyebrow; a streak of black from the base of the bill to the eye; ear-coverts light brown; cheeks and throat white, like the rest of the under surface; across the fore-neck a broad band of black; under wing-coverts and axillaries white: "bill black; feet pale flesh-colour; iris brown; eyelids greyish" (*R. Ridgway*). Total length 6·3 inches, culmen 0·85, wing 4·6, tail 1·85, tarsus 1·2.

The full summer plumage of this Plover is apparently developed before the return of the species to its breeding-quarters; in full plumage the eyebrow, ear-coverts, and hind-neck are bright cinnamon rufous, and there is a good deal of rufous mixed with the black collar on the fore-neck. This rufous colour can be traced in a few examples from North America, but it would seem to fade very quickly, and in most of our series, procured in May and June, it has disappeared entirely.

Adult female in summer plumage. Similar to the male, but differing in the præpectoral collar being brown instead of black, often with a tinge of rufous; the black band on the forehead never fully developed as in the male, and often entirely absent.

Adult in winter plumage. Differs from the summer plumage in wanting the black on the lores and the fore part of the crown, these parts being brown like the rest of the back; the band on the fore-neck also ashy brown instead of black.

Hab. North America, from Nova Scotia, south through Central America, to Brazil and Peru.

a, b. Ad. æstiv. sk.	North America.	J. J. Audubon, Esq. [P.].
c. Ad. æstiv. sk.	Halifax, Nova Scotia.	Seebohm Coll.
d. ♂ ad. æstiv. sk.	Pennsylvania (*Krider*).	Seebohm Coll.
e, f. ♂ ad. et pull. sk.	Cobb's Isl., Virginia, July (*Hensh. Coll.*).	Salvin-Godman Coll.
g. ♂ ad. æstiv. sk.	Fort Macon, N. Carolina, May (*E. Coues*).	Salvin-Godman Coll.
h–p'. ♂ ♀ ad. æstiv. et pull. sk.	Tarpon Springs, Florida, May, June (*W. E. D. Scott*).	Salvin-Godman Coll.
q'–v'. ♂ ♀ ad. æstiv. sk.	Corpus Christi, Texas, May (*F. B. Armstrong*).	Salvin-Godman Coll.
w'. ♂ ad. sk.	San Blas, Tepic, Mexico, April (*W. B. Richardson*).	Salvin-Godman Coll.
x'. ♂ ad. hiem. sk.	Progreso, Yucatan, Nov. (*G. F. Gaumer*).	Salvin-Godman Coll.
y'–a''. Ad. hiem. sk.	Cozumel Island (*G. F. Gaumer*).	Salvin-Godman Coll.

b'. Ad. hiem. sk.	Jolbox Island (*G. F. Gaumer*).	Salvin-Godman Coll.
c', *d*'. ♂ ♀ ad. æstiv. sk.	Grassy Cay, British Honduras, May (*O. S.*).	Salvin-Godman Coll.
e', *g*'. Ad. hiem. sk.	Chiapam, Guatemala, Jan. (*O. S.*).	Salvin-Godman Coll.
h. ♀ ad. hiem. sk.	Anegada Is., W. I., Dec. 9 (*C. S. Wynch*).	Salvin-Godman Coll.
i', *k*'. Ad. sk.	Puna Is., Ecuador (*Villagomez*).	Salvin-Godman Coll.
l'. Ad. sk.	Venezuela.	Mr. T. Dyson [C.].
m. ♂ ad. sk.	Carupano, Venezuela (*A. Goering*).	Salvin-Godman Coll.
n. ♀ ad. sk.	River Oyapoc, Cayenne (*Jelski*).	Salvin-Godman Coll.
o. Ad. hiem. sk.	Bahia, Brazil (*Dr. Wucherer*).	Salvin-Godman Coll.

4. Ochthodromus geoffroyi.

Charadrius asiaticus (*nec Pall.*), *Horsf. Trans. Linn. Soc.* xiii. p. 187 (1821: Java).

Charadrius hiaticula (*nec L.*), *Savigny, Descr. de l'Egypte, Ois.* pl. 14. fig. 1 (1825).

Charadrius geoffroyi, *Wagl. Syst. Av.*, Charadrius, p. 61, no. 19 (1827); *Kittlitz, Kupfert. Vög.* p. 20, pl. 34. fig. 2 (1833: Red Sea); *Blyth, J. A. S. Beng.* xii. p. 181 (1843: S. India); *Gray, Gen. B.* iii. p. 544 (1847); *Heugl. Ibis*, 1859, p. 345 (Red Sea, resident); *E. Newton, Ibis*, 1863, p. 455 (Madagascar, Sept.); *Blyth, Ibis*, 1865, p. 34; *Schl. Mus. Bays-Bas*, Cursores, p. 39 (1865); *id. P. Z. S.* 1866, p. 425 (N.W. coast of Madagascar); *id. & Pol. Faune Madag., Ois.* pp. 129, 172 (1868); *Hartl. & Finsch, P. Z. S.* 1868, pp. 117, 118 (Pelew Islands); *Finsch, Trans. Zool. Soc.* vii. p. 279 (1873: Zoulla, March; Massowah, June & Aug.); *Finsch & Hartl. Vög. Ostafr.* p. 648 (1870); *Gray, Hand-l. B.* iii. p. 14, no. 8883 (1871); *Hartl. & Finsch, P. Z. S.* 1872, p. 89; *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1020, pl. xxxiv. fig. 3 (1873: Egypt, winter; Red Sea, Gulf of Aden, July to Nov.); *Finsch, Journ. Mus. Godeffr.* viii. p. 31 (1875: Pelew Is.); *Rosenb. Reistocht. Geelvinkb.* p. 9 (1875); *Hartl. Ibis*, 1877, p. 335; *id. Vög. Madag* p. 286 (1877); *Rosenb. Malay. Arch.* pp. 277, 324, 407, 583 (1878-79: New Guinea; Mysol); *Danf. Ibis*, 1880, p. 94 (Asia Minor); *Milne-Edwards & Grandid. Hist. Nat. Madag., Ois.* p. 507 (1882); *Severtz. Ibis*, 1883, p. 80 (Pamir, not observed); *Forbes, P. Z. S.* 1884, p. 43 (Teninber Isl.); *Fischer, J. f. O.* 1885, p. 115 (Usegúa); *Sharpe, Ibis*, 1886, p. 492 (Fao, Marocco); *Lister, P. Z. S.* 1888, p. 528 (Christmas Isl., Indian Ocean); *Seebohm, Geogr. Distr. Charadr.* p. 146 (1888); *Reichen. J. f. O.* 1889, p. 265 (Zanzibar, Nov.); *Seebohm, B. Japan. Emp.* p. 310 (1890); *Emin, J. f. O.* 1891, p. 338; *Hartl. Abhandl. nat. Ver Bremen*, xii. p. 332 (1892: Tientsin); *Reichen. Jahrb. Hamburg. Wissensch. Anst.* x. p. 6 (1893: Zanzibar, Nov.); *id. Vög. Deutsch-Ost-Afr.* p. 33 (1894: Usegúha).

Charadrius leschenaultii, *Less. Man. d'Orn.* ii. p. 322 (1828); *Swinh. J. A. S. Beng.* xxix. p. 250 (1860: Amoy); *Wallace, P. Z. S.* 1863, p. 487 (Flores); *Layard, B. S. Afr.* p. 260 (1867: Salt River, Cape Town); *Cab. & Reichen. J. f. O.* 1876, p. 327.

Charadrius columbinus, *Wagl. Isis*, 1829, p. 650 (*ex Hempr. & Ehr. MS.*); *Gray, Gen. B.* iii. p. 544 (1847).
Charadrius griseus (*nec Leach*), *Less. Traité d'Orn.* p. 544 (1831).
Charadrius rufinus, *Blyth, Ann. & Mag. N. H.* xii. p. 169 (1843: Calcutta); *Hodgs. Icon. ined. in Brit. Mus., Grall.* pl. 54. no. 669, App. pl. 41; *id. in Gray's Zool. Misc.* p. 86 (1844); *Gray, Gen. B.* iii. p. 544 (1847).
Hiaticula geoffroyi, *Rüpp. Syst. Uebers.* p. 118 (1845: Red Sea); *Gray, Cat. Mamm. &c. Nepal pres. Hodgs.* p. 132 (1846); *Blyth, Cat. B. Mus. As. Soc.* p. 262 (1849: Calcutta); *Swinh. Ibis*, 1866, p. 134 (Formosa).
Hiaticula inornata, *Gould, B. Austr.* vi. pl. 19, large figure (1846: pt., Oomaga Isl., Torres Straits; Port Essington).
Charadrius fuscus, *Pucheran, Rev. Zool.* 1851, p. 282 (*ex Cuv. Mus. Paris*).
Ochthodromus geoffroyi, *Reichenb. Grall.* Taf. cv. fig. 1061 (1852).
Hiaticula columbina, *Licht. Nomencl. Av. Mus. Berol.* p. 94 (1854: Arabia).
Ægialitis gigas, *A. & L. Brehm, Vogelf.* p. 283 (1855).
Charadrius gigas, *L. Brehm, Naumannia*, 1855, p. 289.
Cirrepidesmus geoffroyi, *Bp. C. R.* xliii. p. 417 (1856); *Hume, Str. F.* i. p. 229 (1873: Karachi), ii. p. 288 (1874: Andamans & Nicobars), iv. p. 12 (1876: Northern Guzerat); *Müller, J. f. O.* 1882, p. 83 (Salanga); *Heine & Reichen. Nomencl. Mus. Hein.* p. 336 (1890: Abyssinia).
Ægialitis geoffroyi, *Heugl. Syst. Uebers.* p. 56 (1856); *Swinh. Ibis*, 1861, p. 51 (Amoy), 1863, p. 405 (Formosa); *Scl. P. Z. S.* 1863, p. 222 (Banjarmassing); *Jerd. B. Ind.* iii. p. 638 (1864); *E. Newton, Ibis*, 1867, pp. 343, 359 (Seychelles); *Godwin-Austen, J. A. S. Beng.* xxxix. p. 273 (1870: Khasia Hills); *Harting, Ibis*, 1870, p. 378, pl. xi.; *Swinh. t. c.* pp. 360, 361 (W. Hainan, Shanghai); *Blanf. Geol. & Zool. Abyss.* p. 429 (1870: common on the sea-coast); *Shelley, B. Egypt*, p. 238 (1872: Lake Mareotis, Feb.; Damietta, March); *Swinh. P. Z. S.* 1871, p. 404 (China: Formosa, winter); *Wald. Ibis*, 1873, p. 316 (Andamans); *Hayes Lloyd, t. c.* p. 416 (Gulf of Kutch); *Salvad. Ucc. Born.* p. 318 (1874); *Antinori & Salvad. Viagg. Bogos*, p. 143 (1873: Massowa); *Legge, Ibis*, 1875, p. 400 (Ceylon, June & July); *Wald. Trans. Zool. Soc.* ix. p. 227 (1875: Philippines); *Salvad. Ann. Mus. Gen.* ix. p. 63 (1876: Sanghir); *Armstr. Str. F.* iv. p. 339 (1876: Elephant Point); *Hume, t. c.* p. 463 (Laccadives); *Tweedd. Ibis*, 1877, p. 322 (Sumatra); *David & Oust. Ois. Chine*, p. 426 (1877); *Dresser, B. Eur.* vii. p. 475, pl. 520. fig. 2, pl. 521 (1878); *Hume & Davison, Str. F.* vi. p. 455 (1878: Tenasserim); *Oust. Bull. Soc. Philomath.* 1878, p. 181 (Seychelles); *Ball, Str. F.* vii. p. 226 (1878: Orissa, N. of Mahanadi); *Ramsay, Proc. Linn. Soc. N. S. W.* ii. p. 197 (1878: Port Darling; Port Essington; Gulf of Carpentaria; Cape York; Rockingham Bay); *Salvad. P. Z. S.* 1878, p. 82 (Amboina); *Sharpe, Report Trans. Venus (Rodriguez)*, p. 462 (1879); *Hume, Str. F.* viii. p. 112 (1879), p. 157 (Tonka; Klang; Singapore); *Tiraut, Bull. Comm. Agric. Cochinchine*, (3) i. p. 147 (1879); *Butler, Cat. B. Sind etc.* p. 57 (1879); *Sharpe, P. Z. S.* 1879, p. 350 (Labuan, July); *Ramsay, Proc. Linn. Soc. N. S. W.* iii. p. 297 (1879: S.E. Guinea), iv. p. 101 (1880: Port Moresby distr.; S. Cape; Duke of York Group; Solomon Is.); *Butler, Cat. B. S. Bomb. Pres.* p. 73 (1880); *Vidal, Str. F.* ix. p. 81 (1880: Gahagar; Ratnagiri, S. Konkan); *Legge, B. Ceylon*,

p. 939 (1880); *Salvad. Voy. H.M.S. 'Challenger,'* ii. *Birds*, p. 64 (1881); *Sharpe, P. Z. S.* 1881, p. 800 (Sandakan); *Kelham, Ibis*, 1882, p. 9 (Malay Peninsula, Nov.); *Salvad. Orn. Papuasia etc.* iii. p. 208 (1882); *id. Ann. Mus. Gen.* xviii. p. 325 (1882: Geogr. distr.); *Harting, P. Z. S.* 1882, p. 335; *Oates, Handb. B. Brit. Burm.* ii. p. 306 (1883); *Sel. P. Z. S.* 1883, pp. 52, 200 (Maroe, Timor-Laut); *Sharpe, Ibis*, 1884, p. 322 (Palawan); *Tristr. Faun. & Flor. Palest.* p. 120 (1884); *Meyer, Sitzb. u. Abh. Gesellsch. Isis*, 1884, Abh. i. p. 55 (Bouru); *H. O. Forbes, P. Z. S.* 1884, p. 433 (Timor-Laut); *Vorderm. Nat. Tijdschr. Nederl. Ind.* xliv. p. 284 (1884: Java); *Murray, Vertebr. Faun. Sind*, p. 226 (1884); *Sharpe, ed. Layard's B. S. Afr.* p. 664 (1884: Port Elizabeth); *Nehrk. J. f. O.* 1885, p. 35 (Waigiou); *Guillem. P. Z. S.* 1885, p. 664 (Waigiou, Oct.); *Sharpe, Ibis*, 1886, p. 167 (Muscat); *Gigl. Arif. Ital.* p. 371 (1886); *Salvad. Elenco Uce. Ital.* p. 211 (1886: Sardinia); *Ramsay, Tab. List Austr. B.* p. 19 (1888: N.W. & N. Australia to Rockingham Bay); *Hume, Str. F.* xi. p. 313 (1888: Manipur); *Ramsay, Proc. Linn. Soc. N. S. W.* (2) ii. p. 171 (1888: Derby); *Guillem. Ibis*, 1888, p. 104 (Cyprus, March); *Sharpe, t. c.* p. 203 (Palawan); *Shelley, t. c.* p. 305 (Manda Isl., Nov.); *Vorderm. Nat. Tijdschr. Nederl. Ind.* xlix. p. 415 (1889: Sumatra); *Everett, Journ. Straits Branch As. Soc.* 1889, p. 205; *id. P. Z. S.* 1889, p. 225 (Palawan); *Dresser, Ibis*, 1889, p. 92 (Transcaspian region, April); *Lilford, t. c.* p. 338 (Cyprus); *Gigl. Arif. Ital.* 1st Resoc. p. 570 (1889); *Whitehead, Ibis*, 1890, p. 58 (Palawan, Aug.); *Sharpe, t. c.* pp. 143, 284 (Labuan, Jan.); *Steere, List B. & Mamm. Exped. Philipp.* p. 25 (1890: Paragua); *Sharpe, Ibis*, 1891, p. 113 (Fao, Aug.); *Styan, t. c.* pp. 330, 503 (Lower Yangtse); *Salvad. Agy. Orn. Papuasia, etc.* iii. p. 200 (1891); *Sibree, Ibis*, 1892, p. 115 (Madagascar); *De la Touche, t. c.* p. 496 (Foochow); *Legge, Proc. Austr. Assoc. Advanc. Sci.* 1892, p. 36; *Styan, Ibis*, 1893, p. 436 (Hainan); *Blanf. Ibis*, 1894, p. 574 (crit.); ? *W. W. Cordeaux, t. c.* p. 373 (Cashmere); *Meyer & Wiglesw. J. f. O.* 1894, p. 250.

Ægialitis leschenaultii, *Swinh. Ibis*, 1861, p. 342 (Pekin), 1862, p. 255 (Foochow); *id. P. Z. S.* 1863, p. 309 (Formosa, resident); *Wyatt, Ibis*, 1870, p. 17 (Sinai).

Charadrius asiaticus (*nec Pall.*), *Tristr. P. Z. S.* 1864, p. 450 (Palestine); *id. Ibis*, 1864, p. 230; *Blyth, Ibis*, 1865, p. 34; *Tristr. Ibis*, 1867, p. 93 (Dead Sea), 1868, p. 323 (Acre).

Ochthodromus inornatus, *Gould, Handb. B. Austr.* ii. p. 237 (1865).

Eudromias crassirostris (*nec Spix*), *Severtz. Turkest. Jevotn.* p. 146 (1873: Fort Peroffsky, June; Lake Chatir-Kul 11,000 ft., July; E. Coast of Caspian, Aug.); *Dresser, Ibis*, 1876, p. 327, note.

Eudromias geoffroyi, *Severtz. J. f. O.* 1873, p. 340 (Turkestan), p. 354 (Yarkand); *Meyer, t. c.* p. 405 (Celebes); *Severtz. J. f. O.* 1875, p. 182 (Turkestan); *Dresser, Ibis*, 1876, p. 327; *Lenz, J. f. O.* 1877, p. 379 (Ceram); *Tweedd. P. Z. S.* 1878, p. 288 (Dumaguete, Aug.), p. 344 (S. Leyte, Sept.), p. 624 (Palawan, Nov.), p. 711 (N. Bohol, Oct., Nov.); *Meyer, Ibis*, 1879, p. 141 (Lake of Tondano, June; Limbotto, July); *Blasius, J. f. O.* 1883, p. 150 (Celebes); *Boyd. Consp. Av. Imp. Ross.* p. 74 (1884: Western Thian Shan; Caspian); *Radde, Orn. Cauc.* pp. 43, 416 (1884: Caspian, winter).

Eudromias magnirostris, *Severtz. J. f. O.* 1875, p. 182 (Turkestan).

Adult in breeding-plumage. General colour above light brown, with a slight olive-greenish gloss, the wing-coverts like the back, with obsolete indications of paler fringes to some of the feathers, the greater series tipped with white, forming a narrow wing-bar; bastard-wing, primary-coverts, and quills brown, the primaries darker brown along their outer webs and at the tips, and having white shafts, the inner primaries also having a white mark towards the base of the outer web; secondaries brown, with white fringes to the end of the outer web and white tips, the shafts also white, with a little extension along the sides of the shaft in the inner secondaries, the innermost long secondaries like the back, the outer ones white along their outer web; rump and upper tail-coverts a little lighter and more ashy brown than the back, with white fringes to most of the feathers, the sides of the rump also white; tail-feathers ashy brown, with a broad white tip, before which is a sub-terminal shade of darker brown, forming an obsolete sub-terminal band; the outer feathers with more or less white near the base of the inner web, the outermost one almost entirely white, except for a slight shade of smoky brown and a slightly indicated sub-terminal shade of darker brown; hinder part of crown of head light brown, entirely surrounded by pale cinnamon-rufous, which occupies the fore part of the crown and extends down the sides of the neck round the hinder neck, where it forms a broad collar of pale cinnamon-rufous; base of forehead white, followed by a narrow black bland; lores also black, as well as the feathers in front of and below the eye, which unite with a black band along the top of the ear-coverts; sides of face and under surface of body white; across the fore-neck and chest a broad band of cinnamon-rufous or light chestnut, which extends a little way down the sides of the upper breast; under wing-coverts, axillaries, and quill-lining white. Total length 8·5 inches, culmen 1, wing 5·5, tail 2, tarsus 1·45.

Adult in winter plumage. Differs from the summer plumage in wanting the rufous chest and in the absence of all facial markings. General colour above uniform brown, the head like the back, the hind-neck paler and more ashy brown; lores, forehead, and a broad eyebrow white, as well as the eyelid; feathers below the eye brown, extending in a streak along the ear-coverts; cheeks and entire under surface of body pure white, with a patch of brown on each side of the upper breast: "bill black; tarsus greenish grey or pale olive; toes dusky or blackish; iris brown" (*A. O. Hume*).

Young. Similar to the adults in winter plumage, but dark brown, with faint edges of sandy buff to the feathers of the upper surface; eyebrow and sides of face washed with sandy rufous, a strong shade of which colour pervades the chest and sides of the upper breast.

Hab. Probably breeds in Japan, Formosa, and Hainan, according to Mr. Seebohm. Heuglin believes that it also breeds on the Red Sea coast. Winters in Africa, India, and Australia.

a. Ad. sk.	Plain of Acre, Palestine.	Canon Tristram (C.).
b. ♂ ad. sk.	Beersheba.	Canon Tristram (C.).
c. Ad. sk.	Smyrna.	Gould Coll.
d. ♂ ad. sk.	Tor, Peninsula of Sinai, May.	Seebohm Coll.
e. ♂ ad. sk.	Near Suez, Feb.	Seebohm Coll.
f. ♂ ad. hiem. sk.	Alexandria, Feb.	Seebohm Coll.
g. Ad. hiem. sk.	Arabia (*Hempr. & Ehr*).	Seebohm Coll. (Co-type of *C. columbinus*.)
h. Ad. sk.	Massowah, Aug. 24 (*W. Jesse*).	Salvin-Godman Coll.
i. ♂ imm. sk.	Massowah, June (*W. Jesse*).	Tweeddale Coll.
k. ♀ ad. sk.	Massowah, Aug. (*W. Jesse*).	Seebohm Coll.
l. ♂ ad. sk.	Zoulla, Annesley Bay, Jan. 17.	W. T. Blanford, Esq. P.Z.S.
m, *n*. ♀ ad. hiem. sk.	Manda Island, E. Africa, Nov. 13.	F. J. Jackson, Esq. P.Z.S.
o. ♀ ad. hiem. sk.	Durban, Natal, March (*Gordge*).	Seebohm Coll.
p. Ad. sk.	Cape Colony (*Layard*).	Salvin-Godman Coll.
q. Ad. sk.	Madagascar.	Purchased.
r–*r*. ♂ ♀ ad. sk.	N.E. Madagascar (*Van Dam*).	Seebohm Coll.
s. Ad. sk.	Rodriguez (*H. H. Slater*).	Transit of Venus Expedition.
s, *y*. Ad. hiem. sk.	Muscat.	Colonel Miles P.Z.S.
z c. Ad. hiem. sk.	Fao, Persian Gulf, Aug.	W. D. Cumming, Esq. P.Z.S.
d'–*h'*. ♂ ♀ ad. et juv. sk.	Karachi, July, Aug., Nov. (*E. A. Butler*).	Hume Coll.
i'–*l'*. ♂ ♀ ad. sk.	Karachi, Feb. (*A. O. H.*).	Hume Coll.
m'. Ad. hiem. sk.	Balacherry, Kathiawar, Oct. 22.	Colonel Hayes Lloyd P.Z.S.
n'. ♂ ad.; *o'*, *p'*, *q'*, *r'* ♀ juv. sk.	Sambur Lake, Aug. (*R. M. Adam*).	Hume Coll.
s', *t'*. ♂ ♀ ad. hiem. sk.	Laccadives, Feb. (*A. O. H.*).	Hume Coll.
u' ♀ ad. hiem. sk.	S.E. coast of Ceylon, July (*W. V. Legge*).	Dr. R. B. Sharpe P.Z.S.
v'–*x'* ad. hiem. sk.	Calcutta, Jan. 11.	Hume Coll.
y'–*a''* ad. sk.	Kyouk Phyon, April (*J. Armstrong*).	Hume Coll.
b'', *g''*, *d''* ad. hiem. sk.	Elephant Point, Dec. (*J. Armstrong*).	Hume Coll.
e'', *f''*, *h''* ♀ ad. hiem. sk.	Amherst, Tenasserim, Dec. to Feb. (*W. Davison*).	Hume Coll.
i'' ♀ ad. hiem. sk.	Wippitan, Dec. (*J. Darling*).	Hume Coll.
k'', *l''*, *m''*, *n''* ♂ ♀ ad. sk.	S. Andamans, Jan. to March (*R. G. W. R.*).	Tweeddale Coll.
o'' ♂ ad. hiem. sk.	Groves Cove, S. Andamans, Oct. (*F. A. de Roepstorff*).	Hume Coll.
p'' ♀ ad. hiem. sk.	Aberdeen, S. Andamans, April (*W. Davison*).	Hume Coll.
q'', *r''* ♀ ad. hiem. sk.	Macpherson's Straits, March (*W. Davison*).	Hume Coll.

t''. ♂ ad. hiem. sk.	Camorta, Nicobars, Feb. (*W. Davison*).	Hume Coll.
u''. ♀ ad. hiem. sk.	Montshall Is., Nicobars, March 14 (*W. Davison*).	Hume Coll.
v''. ♂ ad. hiem. sk.	Tonka, Malay Peninsula, Jan. (*J. Darling*).	Hume Coll.
w''–*c*³. ♂ ♀ ad. hiem. sk.	Salangore, Jan., Feb., Aug. (*W. Davison*).	Hume Coll.
*d*³. ♀ ad. sk.	Singapore, April (*Kelham*).	Hume Coll.
*e*³. ♀ ad. hiem. sk.	Java.	Seebohm Coll.
*f*³. Ad. hiem. sk.	Java (*Horsfield*).	India Museum.
*g*³. Ad. hiem. sk.	Lampong, S.E. Sumatra (*E. C. Buxton*).	Tweeddale Coll.
*h*³. Ad. hiem. sk.	Labuan.	Governor Ussher [P.].
*i*³. Ad. sk.	Labuan.	A. H. Everett, Esq. [C.].
*k*³. Ad. hiem. sk.	Sarawak.	Tweeddale Coll.
*l*³. Ad. hiem. sk.	Banjarmassing (*J. Motley*).	Wallace Coll.
*m*³. ♀ ad. sk.	Matu Beach, May 8.	A. H. Everett, Esq. [C.].
*n*³, *o*³. Ad. hiem. sk.	Cochin China.	M. E. Pierre [P.].
*p*³. Ad. sk.	China.	J. R. Reeves, Esq. [P.].
*q*³. Ad. hiem. sk.	Canton (*Tuckett*).	Tweeddale Coll.
*r*³. Ad. hiem. sk.	Canton (*Bligh*).	Seebohm Coll.
*s*³, *t*³, *u*³. Ad. sk.	Amoy, July, Nov. (*R. Swinhoe*).	Seebohm Coll.
*v*³. Ad. sk.	Amoy, July (*R. Swinhoe*).	Hume Coll.
*w*³. Ad. hiem. sk.	N.W. Formosa (*R. Swinhoe*).	Seebohm Coll.
*x*³. Ad. sk.	Hainan, March (*R. Swinhoe*).	Seebohm Coll.
*y*³. ♂ ad. æstiv. sk.	Dumaguete, Negros, March 12.	E. L. Moseley, Esq. [C.].
*z*³. ♀ ad. sk.	Dumaguete, Aug. (*A. H. Everett*).	Tweeddale Coll.
*a*⁴. ♂ ad. hiem. sk.	Concepcion, Panay, Jan. 20.	E. L. Moseley, Esq. [C.].
*b*⁴. ♀ ad. hiem. sk.	S. Leyte, Oct. (*A. H. Everett*).	Tweeddale Coll.
*c*⁴, *d*⁴. ♂ ♀ ad. hiem. sk.	N. Bohol, Oct. (*A. H. Everett*).	Tweeddale Coll.
*e*⁴. ♂ ad. hiem. sk.	Puerto Princesa, Palawan, Oct. (*A. H. Everett*).	Tweeddale Coll.
*f*⁴. Ad. hiem. sk.	Flores.	Wallace Coll.
*g*⁴. Ad. hiem. sk.	Solor.	Wallace Coll.
*h*⁴. ♀ ad. hiem. sk.	Moloe Island, Tenimber Group, Sept. 1.	Dr. H. O. Forbes [P.].
*i*⁴. Ad. hiem. sk.	Batchian (*Wallace*).	Gould Coll.
*k*⁴, *l*⁴, *m*⁴. Ad. hiem. sk.	Halmahèra.	Wallace Coll.
*n*⁴. Ad. hiem. sk.	Ceram.	Wallace Coll.
*o*⁴. Ad. sk.	Amboina.	Wallace Coll.
*p*⁴, *q*⁴. ♂ ♀ ad. sk.	Amboina (*Leyden Museum*).	Seebohm Coll.

r^4. Ad. sk.	Amboina.	Voy. H.M.S. 'Challenger.'
s^4. Ad. sk.	Mysol.	Wallace Coll.
t^4, u^4. Ad. sk.	New Guinea.	Wallace Coll.
v^4. ♀ ad. hiem. sk.	Troughton Is., N.W. Australia.	Dr. Bassett-Smith [P.].
w^4. Ad. hiem. sk.	N. Australia.	Hume Coll.
x^4. Ad. hiem. sk.	Port Darwin.	Gould Coll.
y^4. Ad. sk.	Cape York.	Gould Coll.
z^4, a^5, b^5. Ad. sk.	Queensland.	Salvin-Godman Coll.
c^5. ♀ ad. sk.	Solitary Island.	

5. Ochthodromus mongolus.

Charadrius mongolus, *Pall. Reis. Russ. Reichs*, iii. p. 700 (1776: Salt Lakes of Mongolia); *Gm. Syst. Nat.* i. p. 685 (1788); *Lath. Ind. Orn.* ii. p. 746 (1790); *Bonn. Enc. Méth.* i. p. 22 (1790); *Vieill. N. Dict. d'Hist. Nat.* xxvii. p. 143 (1818); *Gray, Gen. B.* iii. p. 544 (1847); *Blasius, J. f. O.* 1883, p. 126 (Celebes).

Mongolian Plover, *Lath. Gen. Syn.* iii. pt. 1, p. 207 (1785).

Charadrius mongolicus, *Pall. Zoogr. Rosso-Asiat.* ii. p. 136 (1811: Onon R.; Argun); *Middend. Reis. Sibir., Zool.* p. 211, pl. xix. figs. 2, 3 (1851: Udskoi-Ostrog; Mouth of Uda River, July); *Schrenck, Reis. Amurl.* p. 411 (1859: Amur-land); *Radde, Reis. Sibir., Vog.* p. 324 (1863: Tarei-nor, May); *Schl. Mus. Pays-Bas*, Cursores, p. 41 (1865: Amur-land; Philippines; Ceram; Morotai; New Guinea); *Scl. P. Z. S.* 1877, p. 113 (Duke of York Isl., p. 576 (Admiralty Isl.); *Rosenb. Malay. Archip.* p. 278 (1878-70); *Scl. Voy. 'Challenger,'* ii. *Birds*, p. 33 (1881: Admiralty Isl.); *Seebohm, Geogr. Distr. Charadr.* p. 147 (1888, pt.); *id. B. Japan. Emp.* p. 308 (1890); *Styan, Ibis*, 1891, pp. 330, 503 (Lower Yangtse); *Campbell, Ibis*, 1892, p. 246 (Corea); *Styan, Ibis*, 1893, p. 430 (Hainan).

Charadrius cirrhepidesmus, *Wagl. Syst. Av.*, Charadrius, p. 61, sp. 18 (1827); *Gray, Gen. B.* iii. p. 544 (1847); *id. P. Z. S.* 1860, p. 363 (East Gilolo).

Charadrius gularis, *Wagl. Syst. Av.*, Charadrius, p. 69, sp. 40 (1827).

Charadrius sanguineus, *Less. Man. d'Orn.* ii. p. 330 (1828); *id. Traité d'Orn.* p. 544 (1831).

Hiaticula mongola, *Gray, List Grall. Brit. Mus.* p. 69 (1844: China; Philippines).

Hiaticula inornata, *Gould, B. Austr.* vi. pl. 19, right-hand figure (1846); *Reichenb. Voy. Neuholl.* no. 331 (1851); *Macgill. Narr. Voy. Rattlesn.* ii. p. 358 (1852: N.E. Coast Australia; Torres Straits).

Aegialitis inornata, *Reichenb. Grall., Norit.* tab. cexcviii. figs. 2426-27 (1851); *Ramsay, Proc. Linn. Soc. N. S. W.* i. p. 375 (1877); *W. A. Forbes, P. Z. S.* 1878, p. 127 (Wednesday Isl., Torres Straits); *id. Voy. 'Challenger,'* ii. *Birds*, p. 92 (1881).

Pluvianorhynchus mongolus, *Bp. C. R.* xliii. p. 417 (1856).

Charadrius inornatus, *Gray, P. Z. S.* 1858, pp. 187, 197 (Aru Is.); *id. Cat. Mamm. & B. New Guin.* p. 62 (1859); *id. P. Z. S.* 1861, p. 438 (Aru Is.); *Rosenb. Nat. Tijdschr. Nederl. Ind.* xxv. p. 253

(1863)*; *id. J. f. O.* 1864, p. 135; *Finsch, Neu-Guinea*, p. 181 (1865); *Rosenb. Malay. Archip.* p. 563 (1878–79).

Ægialitis mongolica, Swinh. P. Z. S. 1863, p. 310; *id. Ibis*, 1870, p. 300 (Hainan, March); *Harting, t. c.* pp. 202, 384 (pt.); *Wald. Trans. Zool. Soc.* ix. p. 227 (1875: Philippines); *David & Oust. Ois. Chine*, p. 427 (1877); *Salvad. Orn. Papuasia etc.* iii. p. 299 (1882); *id. Ann. Mus. Civ. Gen.* xviii. p. 325 (1882); *Blakiston, Amended List B. Jap.* p. 10 (1884: Yezo & Japan generally); *Sharpe, Rep. Zool. Coll. H.M.S. 'Alert,'* p. 27 (1884: Pt. Molle; Channel Rock); *Guillem. P. Z. S.* 1885, p. 664 (Batanta, Oct.); *Nehrk. J. f. O.* 1885, p. 35 (Waigiou); *Gigl. & Salvad. P. Z. S.* 1887, p. 585 (Olga Bay, Corea, Sept.); *Salvad. & Gigl. Mem. R. Accad. Torino*, xxxix. p. 114 (1888); *Ramsay, Tab. List Austr. B.* p. 19 (1888: Cape York to Rockingham Bay); *Salvad. Agg. Orn. Papuasia*, iii. p. 200 (1891); *De la Touche, Ibis*, 1892, p. 496 (Foochow, April, May, Sept.); *Legge, Proc. Austr. Assoc. Advanc. Sci.* 1892, p. 37, pt.

Ochthodromus inornatus, *Gould, Handb. B. Austr.* ii. p. 237 (1865, pt.); *Ramsay, P. Z. S.* 1877, p. 337; *G. F. Mathew, Proc. Linn. Soc. N. S. W.* x. p. 355 (1886: Claremont Isl.).

Ægialitis mongolus, Swinh. P. Z. S. 1870, pp. 140, 428 (Shanghai, May); *id. P. Z. S.* 1871, p. 404 (China Coast, winter); *Ramsay, Proc. Linn. Soc. N. S. W.* ii. p. 197 (1878: Cape York; Rockingham Bay), iii. p. 115 (1879: Katau), iv. p. 92 (1880: Teste Is.), p. 101 (Port Moresby).

Ægialitis mongola, Swinh. Ibis, 1873, p. 425 (Shanghai); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 167 (1884); *Stejn. Bull. U.S. Nat. Mus.* no. 29, p. 105 (1885: Bering & Copper Islands, May to Oct.); *A. O. U. Check-l. N. Amer. B.* p. 163 (1886: Alaska); *Ridgw. N. Amer. B.* p. 179 (1877); *Nelson, Report Nat. Hist. Coll. Alaska*, p. 127 (1887: Choris Peninsula); *Stejn. Pr. U.S. Nat. Mus.* x. p. 126 (1887: Commander Is.); *Tacz. P. Z. S.* 1888, p. 456 (Chimulpo, Corea, June).

Eudromias mongolicus, *Tacz. Bull. Soc. Zool. France*, i. p. 248 (1876); *Tweedd. P. Z. S.* 1878, p. 344 (S. Leyte, Sept.); *Tacz. op. cit.* vii. p. 397 (1882: Bering Isl); *Bogd. Consp. Av. Imp. Ross.* p. 73 (1884: East Siberia; Dauria; Bering Isl., Ussuriland).

Ægialitis mastersi, Ramsay, Proc. Linn. Soc. N. S. W. i. p. 135 (1877: Rockingham Bay to Cape York), ii. p. 197 (1878); *id. Tab. List Austr. B.* p. 19 (1888: Gulf of Carpentaria, Rockingham Bay); *Legge, Proc. Austr. Assoc. Advanc. Sci.* 1892, p. 38.

Ægialitis ruficapilla (nec Temm.), Blakist. & Pryer, Ibis, 1878, p. 219 (Yokohama): *cf. Seebohm, Ibis*, 1879, p. 25.

Charadrius pyrrhothorax (*nec Temm.*), *Fritsch, Vög. Eur.* tab. 33. fig. 18 (1870); *Rosenb. Malay. Archip.* p. 373 (1878–79: Aru Islands).

Adult in breeding-plumage. Similar to *O. geoffroyi*, but smaller, and with a much shorter bill and tarsus; a broader black line along the sides of the face, the ear-coverts being entirely black; the white throat separated from the rufous chest-band by a narrowly indicated line of black: "bill black; feet somewhat bluish black,

* Layard (Ibis, 1863, p. 249) records *Charadrius inornatus* as having been seen by him at sea in lat. 30°, long. 38°; but I think there must be some mistake in the identification.

toes darker; iris dark brown" (*L. Stejneger*). Total length 7·5 inches, culmen 0·75, wing 5·2, tail 2·1, tarsus 1·2.

Adult female in summer plumage. Similar to the male, but less richly coloured, the rufous chest-band never so pronounced, and the facial markings less developed, the black bands on the forehead often obsolete: "bill black; feet dark grey, with an olive tinge; toes darker, blackish; iris dark hazel" (*L. Stejneger*). Total length 7 inches, culmen 0·8, wing 5·5, tail 1·85, tarsus 1·2.

Adult in winter plumage. Differs from the summer plumage in wanting the facial markings and the rufous chest. Very similar to the winter plumage of *O. geoffroyi*, and distinguished chiefly by its smaller size, shorter bill, and shorter tarsus. There is also a little more brown on the ear-coverts.

Young. Similar to the adults in winter plumage, but darker brown, all the feathers edged with sandy brown, the eyebrow, sides of face, and under surface of the body with a strong tint of sandy buff: "bill, angle of mouth, and ring round the eyes black; legs clear grey; tarsus tinged with yellowish, toes with blackish, and soles with reddish; iris dark brown" (*L. Stejneger*).

The exact method by which the rufous chest of the summer plumage is gained is not easy to discover. In some specimens in winter dress there is a distinct narrow line of brown across the fore-neck; in most of the series of skins in the Museum this is wanting, as it is also in young birds. It may therefore be a sign of very old birds only, as there are traces of brown feathers in an old bird which has not quite attained its full summer plumage. In the specimen in question it is also evident that the rufous breast is being acquired by a change of colour in the feather, from brown to rufous, as well as by a moult. Probably only very old birds go through this double process, as in the majority of specimens the rufous breast appears to be gained by a moult only. When first developed all the rufous feathers are edged with white.

A young bird is described by Dr. Stejneger as somewhat resembling the adults. "The brownish grey of the back is paler, and each feather narrowly edged with isabella colour, with which also the lower parts are suffused. On the pectoral region a buffish tinge replaces the rufous collar, and the black markings are absent from the head, the cheeks and ear-coverts being slightly dusky; the forehead between the bill and the eyes whitish, suffused with isabella colour."

The winter plumage and young livery of the western and eastern forms of *O. mongolus* are, as might have been expected, very difficult to distinguish, but the western form seems always to have a longer tarsus (about 1·25 inch), whereas the eastern form has the tarsus about 1·1 inch.

Hab. Breeds in Eastern Siberia and the Commander Islands, and even extends its range to Alaska. Passes through China on migration to the Philippines and the Moluccas, wintering in these islands and Australia.

a, *b*. ♂ ♀ ad. æstiv. sk.	Amurland, July (*Dr. Schrenck*).	Seebohm Coll.
c. Ad. æstiv. sk.	Japan.	Professor Milne [C.].
d. Ad. sk.	Yokohama (*H. Pryer*).	Seebohm Coll.
e. ♀ ad. sk.	S. Yezo (*T. Blakiston*).	Seebohm Coll.
f. ♀ ad. sk.	Kurile Islands (*Snow*).	Seebohm Coll.
g, *h*. ♂ ad. sk.	Shanghai, April (*R. Swinhoe*).	Seebohm Coll.
i. Ad. sk.	Canton.	Tweeddale Coll.
k. Ad. sk.	Canton (*S. Bligh*).	Seebohm Coll.
l. Ad. sk.	Gutzloff Isl., China.	Dr. McKinlay [P.].
m, *n*. Ad. hiem. sk.	Malacca (*Dr. Cantor*).	India Museum.
o. Ad. sk.	Hainan (*R. Swinhoe*).	Seebohm Coll.
p. Ad. æstiv. sk.	Philippine Islands.	Hugh Cuming, Esq. [C.].
q, *r*, *s*. ♂ ♀. ad. hiem. sk	N. Bohol, Nov. (*A. H. Everett*).	Tweeddale Coll.
t, *u*. Ad. hiem. et æstiv. sk.	Menado, N. Celebes.	Tweeddale Coll.
v. Ad. æstiv. sk.	Halmahéra.	Wallace Coll.
w. Ad. sk.	Morotai.	Wallace Coll.
x. ♂ ad. sk.	Aru Islands.	Wallace Coll.
y. Ad. vix æstiv. sk.	Admiralty Islands.	Voy. H.M.S. 'Challenger.'
z. Ad. vix æstiv. sk.	Duke of York Isl. (*G. Brown*).	Tweeddale Coll.
a'. Ad. æstiv. sk.	Troughton Isl., N. Australia, Aug.	P. W. Bassett Smith, Esq. [P.].
b'. Ad. hiem. sk.	Port Albany.	Purchased.
c', *d'*. Ad. sk.	Cape York (*Cockerell*).	Seebohm Coll.
e'. Ad. æstiv. sk.	Cape York.	Gould Coll.
f'. Ad. hiem. sk.	Cape York.	Tweeddale Coll.
g'. ♀ ad. sk.	Eagle Islet, Aug. (*J. Macgillivray*).	Voy. H.M.S. 'Rattlesnake.'
h'. ♀ ad. sk.	Wednesday Isl., Torres Straits.	Voy. H.M.S. 'Challenger.'
i', *k'*. Ad. hiem. sk.	Channel Rocks, June (*Dr. Coppinger*).	Voy. H.M.S. 'Alert.'
l', *m'*, *n'*. Ad. sk.	Queensland (*J. T. Cockerell*).	Salvin-Godman Coll.
o'. Ad. hiem. sk.	Port Molle, Queensland, May (*Dr. Coppinger*).	Voy. H.M.S. 'Alert.'
p'. ♀ ad. sk.	Moreton Bay (*Strange*).	Gould Coll.
q'. Ad. sk.	Richmond River.	Hume Coll.

6. Ochthodromus pyrrhothorax.

Charadrius cantianus (*nec Lath.*), *Horsf. Trans. Linn. Soc.* xiii. p. 187 (1821 : Java).

Charadrius inconspicuus, *Wagl. Isis*, 1829, p. 651 (*ex Licht. in Mus. Berol.*); *Gray, Gen. B.* iii. p. 544 (1847).

Charadrius pyrrhothorax, *Gould, B. Eur.* iv. pl. 299 (1837 : *ex Temm. MSS.*); *Temm. Man. d'Orn.* iv. p. 355 (1840 : Russia); *Werner, Atlas*, part iv. *Grall.* pl. 2; *Schl. Rev. Crit.* pp. lxxxiii, 95 (1844); *Gray, Gen. B.* iii. p. 544 (1847); *Bree, B. Eur.* iv. p. 18 (1863); *Tristr. Ibis*, 1868, p. 323 (Palestine); *Gray, Hand-l. B.* iii. p. 15, no. 9995 (1871).

Ægialitis pyrrhothorax, *Bp. Comp. List B. Eur. & N. Amer.* p. 45

(1838); *Keys. & Blas. Wirb. Eur.* pp. lxx, 208 (1840); *Jerd. B. Ind.* iii. p. 639 (1864); *Beavan, Ibis*, 1867, p. 332 (Andamans); *Blyth, Ibis*, 1868, p. 133; *Pelz. t. c.* p. 321 (Kyangsisa); *Beavan, t. c.* p. 380 (Salween R., Sept.); *Murray, Vertebr. Faun. Sind*, p. 226 (1884).

Charadrius leschenaulti (*nec Less.*), *Blyth, J. A. S. Beng.* xii. p. 81 (1843: Calcutta); *Adams, P. Z. S.* 1859, p. 188 (Chimourari Lake, Ladak, breeding); *id. Wand. Nat. Ind.* p. 283 (1867).

Charadrius rufinellus, *Blyth, Ann. & Mag. N. H.* xii. p. 169 (1843: Calcutta).

Charadrius subrufinus, *Hodgs. in Gray's Zool. Misc.* p. 86 (1844).

Charadrius ruticollis, *Schl. Rev. Crit.* part ii. p. 95 (1844: *ex Cuvier*); *Pucheran, Rev. Zool.* 1851, p. 282.

Hiaticula subrufina, *Gray, Cat. Mamm. &c. Nepal pres. Hodgs.* p. 133 (1846).

Hiaticula leschenaulti (*nec Less.*), *Blyth, Cat. B. Mus. As. Soc.* p. 283 (1849: Calcutta); *Layard, Ann. & Mag. N. H.* (2) xiv. p. 109 (1854: Ceylon).

Hiaticula inconspicua, *Licht. Nomencl. Av. Mus. Berol.* p. 94 (1854: Bengal).

Cirrhipidesmus pyrrhothorax, *Bp. C. R.* xliii. p. 417 (1856).

Charadrius mongolicus (*nec Pall.*), *Tristr. P. Z. S.* 1864, p. 450 (Banks of Kishon, winter); *Blyth, Ibis*, 1865, p. 34; *Schl. Mus. Pays-Bas, Cursores*, p. 41 (1865: Borneo); *Deyl. & Gerbe, Orn. Eur.* ii. p. 130 (1867); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1023, pl. xxxiv. fig. 4 (1873: Adel and Somali Coasts); *Dunf. Ibis*, 1878, p. 33 (Asia Minor); *Severtz. Ibis*, 1883, p. 72 (Alai; Pamir; Kara-Kul & Ran-Kul, 12,000 to 13,000 ft., breeding); *Sharpe, Ibis*, 1886, p. 167 (Muscat); *Seebohm, Geogr. Distr. Charadr.* p. 147 (1888, pl.); *Reichen. J. f. O.* 1889, p. 265 (Zanzibar, Nov.); *id. Jahrb. Hamburg. Wissensch. Anst.* x. p. 6 (1893: Zanzibar).

Ægialites mongolicus (*nec Pall.*), *Blyth, Ibis*, 1867, p. 164; *Harting, P. Z. S.* 1871, p. 111 (Choris Peninsula); *Hume & Hendrs. Lahore to Yark.* p. 283 (1873: Gokra, 16,000 ft., July); *Salvad. Ucc. Born.* p. 316 (1874).

Ægialitis mongolica (*nec Pall.*), *Shelley, B. Egypt*, p. 239 (1872); *Hayes Lloyd, Ibis*, 1873, p. 416 (Kathiawar); *Hume, Str. F.* iii. p. 170 (1875: Pegu); *Blyth, B. Burm.* p. 153 (1875); *Hume, Str. F.* iv. p. 283 (1876: Andamans, May, July, Sept.); *Armstrong, t. c.* p. 339 (Elephant Point; China-lia-Keer); *Hume, t. c.* p. 463 (Laccadives); *Blanf. East. Persia*, ii. p. 279 (1876: Persian Gulf); *Dresser, B. Eur.* vii. pp. 476, 477 (1878); *Legge, B. Ceylon*, iii. p. 1443 (1880); *Vidal, Str. F.* ix. p. 81 (1880: S. Konkan); *Kelham, Ibis*, 1882, p. 10 (Singapore, Nov.); *Oates, Handb. B. Brit. Burm.* ii. p. 398 (1883); *Tristr. Faun. & Flor. Palest.* p. 129 (1884: winter); *Verderm. Nat. Tijdschr. Nederl. Ind.* xliv. p. 204 (1884: Java); *Hume, Str. F.* xi. p. 314 (1883: Manipur); *Shelley, Ibis*, 1888, p. 305 (Manda Isl., Nov.); *Everett, Journ. Straits Branch As. Soc.* 1889, p. 205; *id. P. Z. S.* 1889, p. 226 (Palawan); *Verderm. Nat. Tijdschr. Nederl. Ind.* xlix. p. 415 (1889: Sumatra); *Whitehead, Ibis*, 1890, p. 58 (Palawan); *Sharpe, Sci. Res. 2nd Yark. Miss., Aves*, p. 137 (1891: Sarikol, May); *Barnes, Ibis*, 1893, pp. 180, 181 (Aden).

Ægialitis mongola (*nec Pall.*), *Wald. Ibis*, 1873, p. 317 (Andamans); *Legge, Ibis*, 1875, p. 401 (Ceylon); *Ball, Str. F.* vii. p. 227 (1878: Singhbhum; Orissa); *Crijns, t. c.* p. 260 (Furidpur); *Hume, t. c.*

p. 483 (Calcutta); *id. Str. F.* viii. p. 69 (1879: Singapore), p. 112; *Butler, Cat. B. Sind etc.* p. 57 (1879: cold weather visitant); *id. Cat. B. S. Bomb. Pres.* p. 73 (1880).

Eudromias mongolicus, *Severtz. Turkest. Jevotn.* p. 69 (1873: breeding); *Dresser, Ibis*, 1876, p. 327.

Cirrepidesmus mongolicus, *Hume, Nests & Eggs Ind. B.* p. 571 (1873: Tibetan Lakes); *id. Str. F.* i. p. 230 (1873: Karachi; Mekran Coast, Feb.), ii. p. 209 (1874: Andamans & Nicobars), iv. p. 12 (1876: Northern Guzerat, winter); *Heine & Reichen. Nomencl. Mus. Hein.* p. 336 (1890: Java).

Ægialitis mongolus, *Hume & Davison, Str. F.* vi. p. 455 (1878: Tenasserim, winter); *Tiraut, Bull. Comm. Agric. Cochinchine*, (3) i. p. 147 (1879).

Adult male in breeding-plumage. Similar to *O. mongolus*, but paler in general colour, and especially on the chest-band, which is lighter than in the last-named species. Specially distinguished by the black band on the forehead being united to the black ear-coverts, the white of the lores becoming gradually merged in the black of the forehead, which is therefore completely black with no white loral patch at all: "bill black; feet ashy black; iris brown" (*F. Stoliczka*). Total length 7·5 inches, culmen 0·7, wing 4·85, tail 1·8, tarsus 1·25.

Adult female. Similar to the male in plumage. Total length 7 inches, culmen 0·7, wing 5·15, tail 1·8, tarsus 1·25.

Adult in winter plumage. Similar to the winter plumage of *O. mongolus*, but with a slightly longer tarsus.

Hab. Breeds in the Kirghis Steppes, and probably throughout Central Asia, wintering in Africa, India, and the Malay Peninsula and Islands.

a. Ad. sk.	Egypt.	G. Turnbull, Esq. [P.].
b, c. ♀ ad. sk.	Manda Isl., E. Africa, Nov.	F. J. Jackson, Esq. [P.].
d, e. Ad. hiem. sk.	Muscat.	Col. Miles [P.].
f, g. ♂ ♀ ad. æstiv. sk.	Sirikol, Yarkand, May 9.	Dr. F. Stoliczka [C.].
h. Ad. æstiv. sk.	Great Pamir.	St. George Littledale, Esq.
i, k. Ad. æstiv. sk.	Western Tibet.	Earl of Gifford [P.].
l, m. Ad. æstiv. sk.	Eastern Tibet, May, June (*L. Mandelli*).	Hume Coll.
n, o. ♂ ♀ ad. æstiv. sk.	Kokonor, June, July (*Prjevalsky*).	Seebohm Coll.
p, q. ♂ ♀ ad. æstiv. sk.	Karakash, July, Aug. (*G. Henderson*).	Hume Coll.
r. ♂ ad. æstiv. sk.	Above Zogri, Ladak, July 19 (*G. Henderson*).	Hume Coll.
s, t. Ad. æstiv. sk.	Ladak.	Purchased.
u. Juv. sk.	Sind.	T. C. Jerdon, Esq. [P.].
v–k'. ♂ ♀ ad. hiem. sk.	Karachi, Feb. (*A. O. H.*).	Hume Coll.
l'. ♀ ad. æstiv. sk.	Karachi, Aug. 3 (*E. A. Butler*).	Hume Coll.
m'. Ad. hiem. sk.	Kathiawar, Oct. 19.	Col. Hayes Lloyd [P.].
n', o'. ♀ ad. hiem. sk.	Etawah, Nov.	Hume Coll.

p. ♀ ad. hiem. sk.	Carlamum Isl., Laccadives, Feb. 18 (*A. O. H.*).	Hume Coll.
q. ♀ juv. sk.	Colombo, Ceylon, April (*W. V. Legge*).	Dr. R. B. Sharpe (P.).
r. Ad. hiem. sk.	Madras (*R. G. W. R.*).	Tweeddale Coll.
s ♀ ad. hiem. sk.	Madras.	Hume Coll.
t Ad. hiem. sk.	Bengal.	Hume Coll.
u, *v*, *w*. Ad. æstiv.; *x*, *y*. Juv. sk.	Calcutta (*Blyth*).	India Museum.
z, *a'*, *b'*. Ad. æstiv.; *c'*, *d'* ♀ ad. hiem. sk.	Calcutta, Dec. to April (*A. O. H.*).	Hume Coll.
e'. Ad. hiem. sk.	Dacca.	Hume Coll.
f, *g*, *h* ♂ ♀ ad. hiem. sk.	Moirang, Manipur, Feb. 19 (*A. O. H.*).	Hume Coll.
i, *k*, *l*, *m'* ♂ ♀ ad. hiem. sk.	Elephant Point, Dec., April (*J. Armstrong*).	Hume Coll.
n ♂ ad. hiem. sk.	China-Ba-Keer, Dec. (*J. Armstrong*).	Hume Coll.
o ♀ ad. hiem. sk.	Phayat, Nov. (*J. Armstrong*).	Hume Coll.
p', *q'* ♂ ♀ ad. et juv. sk.	Pegu, Sept. to May (*E. W. O.*).	Hume Coll.
r' ♀ ad. hiem. sk.	Sittang River, Tenasserim, Feb. 14 (*W. Davison*).	Hume Coll.
s' ♂ imm. sk.	Kaukaryit, Aug. 27 (*J. Darling*).	Hume Coll.
t', *u'* ♂ ad. hiem. sk.	Wippitan, Dec. (*J. Darling*).	Hume Coll.
v', *w'* ♀ ad. hiem. sk.	Amherst, Jan. (*W. Davison*).	Hume Coll.
x', *y'* ad. hiem.; *z'*, *a''* ad. æstiv. sk.	Thatone, Nov., Aug. (*W. D.*).	Hume Coll.
b'' ♀ ad. hiem. sk.	Mergui, Nov. (*W. D.*).	Hume Coll.
c'', *d''* ♀ ad. hiem. sk.	Pakchan, Dec. (*W. D.*).	Hume Coll.
e'' ♂ ad. hiem. sk.	Great Cocos Isl., March (*W. D.*).	Hume Coll.
f'', *g''* ♂ ♀ ad. hiem. sk.	S. Andamans, Jan. (*R. G. W. R.*).	Tweeddale Coll.
h''–*k''* ♂ ad.; *l''*, *m''* Juv. sk.	Port Blair, S. Andamans, May to Sept. (*R. J. Winberley*).	Hume Coll.
n'', *o''* ♂ ♀ ad. hiem. sk.	Aberdeen, S. Andamans, Dec., April (*W. Davison*).	Hume Coll.
p'' ♂ ad. hiem. sk.	Mount Augusta, S. Andamans, Jan. 18 (*W. D.*).	Hume Coll.
q'' ♂ ad. hiem. sk.	Montehull Isl., Nicobars, March 4 (*W. D.*).	Hume Coll.
r'', *s''* ♂ ad. hiem. sk.	Preparis, Nicobars, March 28 (*W. D.*).	Hume Coll.
t'' ♀ ad. hiem. sk.	Camorta, Nicobars, Feb. 26 (*W. D.*).	Hume Coll.
u'', *v''* ♂ ad. hiem. sk.	Tonka, Malay Peninsula, Jan. 24 (*J. Darling*).	Hume Coll.
w'' Juv. sk.	Penang (*Dr. Cantor*).	India Museum.

h^4–n^4. ♂ ad. hiem.; o^4–t^4. ♀ ad. hiem. sk.	Salangore, Aug., Dec., Jan. (*W. D.*).	Hume Coll.
u^4. Juv. sk.	Malacca (*Dr. Maingay*).	Tweeddale Coll.
v^4. Ad. æstiv. sk.	Malacca.	Seebohm Coll.
w^4. ♀ juv. sk.	Singapore, Sept. (*W. D.*).	Hume Coll.
x^4. ♂ ad. æstiv. sk.	Kula, Pahang, Sept. 1.	Capt. Kelsall [P.].
y^4, z^4. Ad. hiem. sk.	Java (*Horsfield*).	India Museum.
a^5–e^5. ♂ ♀ ad.	Labuan, Sept., Nov.	A.H.Everett,Esq.[C.].
f^5. ♀ juv. sk.	Baram, Sarawak, Sept. 30.	A.H.Everett,Esq.[C.].
g^5. ♀ ad. sk.	Borneo (*Diard*).	Seebohm Coll.

7. Ochthodromus asiaticus.

Charadrius asiaticus, *Pall. Reis. Russ. Reichs*, ii. p. 715 (1773: S. Tartary); *Gm. Syst. Nat.* i. p. 684 (1788); *Lath. Ind. Orn.* ii. p. 746 (1790); *Schl. Rev. Crit.* p. lxxxii (1844); *Gray, Gen. B.* iii. p. 544 (1847); *Blasius & Bald. in Naum. Vög. Deutschl.* xiii. pt. 2, p. 225, pl. 386. figs. 1, 2 (1860); *Bree, B. Eur.* iv. p. 18 (1863); *Schl. Mus. Pays-Bas*, Cursores, p. 38 (1865: Tartary; S. Africa; Orange River); *Layard, B. S. Afr.* p. 299 (1867: Colesberg); *Tristr. Ibis*, 1868, p. 323 (Palestine); *Finsch, Trans. Zool. Soc.* vii. p. 328 (1870); *id. & Hartl. Vög. Ostafr.* p. 649 (1870); *Gray, Hand-l. B.* iii. p. 14, no. 9990 (1871); *Dresser, P. Z. S.* 1875, p. 97 (Kirghis Steppes, breeding; egg); *Bocage, Orn. Angola*, p. 430 (1881: Rio Bengo; Benguela); *Reid, Zool.* 1882, p. 342 (Mouth of Umgeni R., Dec.); *Feilden, t. c.* p. 460 (Bennett's Drift Camp, Newcastle, Nov.); *Holub & Pelz. Beitr. Orn. Südafr.* p. 241 (1882: Panta-ma-tenka); *Seebohm, Ibis*, 1883, p. 28 (Caucasus), 1884, p. 429 (Lenkoran); *Fischer, Zeitschr. ges. Orn.* i. p. 392 (1884: Little Aruscha); *id. J. f. O.* 1885, p. 115 (Useguha); *Reichen. J. f. O.* 1887, p. 47 (Ruwana River); *Seebohm, Geogr. Distr. Charadr.* p. 144 (1888); *Büttik. Notes Leyd. Mus.* xi. p. 78 (1889: Cunene R.); *Reichen. Vög. Deutsch-Ost-Afr.* p. 33 (1894: Ugalla R.; Wualaba R.; Useguha; Karéma; Victoria Nyanza).

Asiatic Plover, *Lath. Gen. Syn.* iii. pt. 1, p. 207 (1785).

Charadrius caspius, *Pall. Zoogr. Rosso-Asiat.* ii. p. 136 (1811: Caspian and Salt Lakes of S. Tartary); *Gätke, Vogelw. Helgol.* p. 491 (1891).

Charadrius jugularis, *Wagl. Syst. Av.* p. 69, sp. 39 (1827); *Nordm. in Démid. Voy. Russ. Mérid.* iii. p. 233 (1840: Odessa, April).

Eudromias asiaticus, *Keys. & Blas. Wirb. Eur.* pp. lxx, 208 (1840); *Bp. Cat. Met. Urc. Eur.* p. 57 (1842); *Gray, List Grall. Brit. Mus.* p. 68 (1844: Northern Asia & Altai Mountains); *Bp. Rev. Crit.* p. 181 (1850); *Licht. Nomencl. Av. Mus. Berol.* p. 95 (1854: Aral Lake); *Heugl. Syst. Uebers.* p. 57 (1856: Coast of Red Sea, winter); *Blasius, Naumannia*, 1858, p. 315 (Heligoland); *id. Ibis*, 1862, p. 71; *Harting, Ibis*, 1870, p. 202, pl. v.; *Blanf. Geol. & Zool. Abyss.* p. 429 (1870: Rairo, Aug.); *Ayres, Ibis*, 1871, p. 263 (Transvaal); *Gurney in Anderss. B. Dam. Ld.* p. 271 (1872: Otjimbinque); *Shelley, B. Egypt*, p. 237 (1872); *Swinh. Ibis*, 1873, p. 365 (Syr Darya); *Cordeaux, Ibis*, 1875, p. 185 (Heligoland); *Blanf. East. Persia*, ii. p. 279 (1876); *Seebohm, Ibis*, 1877, p. 165; *Pelz. Verhandl. zool.-bot. Gesellsch. Wien*, xxxi. p. 155 (1881: Lado, March); *Hartl. Abhandl. nat. Ver. Bremen*, viii. p. 231 (1882: Lado); *Sharpe, ed. Layard's B. S. Afr.* pp. 605,

855 (1884); *Radde, Ornt. Cauc.* pp. 43, 415 (1884: Caspian, April); *id. Ornis*, v. p. 106 (1889).

Charadrius damarensis, *Strickl. Contr. Orn.* 1852, p. 158 (Damara-land); *Finsch, Ibis*, 1872, p. 146; *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1018, pl. xxxiv. figs. 1, 2 (1873), App. p. clxxxi (N. Coast of Egypt; Gulf of Suez; Swamps of S. Kordofan; Lower White & Blue Niles; Qalabat; Tana Lake).

Ægialitis ruficollis (*nec* Cuv.), *Heugl. Syst. Uebers.* p. 57 (1856).

Morinellus caspius, *Bp. C. R.* xliii. p. 417 (1856).

Eudromias asiaticus, *Newt. List B. Eur. Blasius*, p. 17 (1862).

Charadrius geoffroyi (*nec Wagl.*), *Mont. P. Z. S.* 1865, p. 95 (Benguela).

Eudromias caspius, *Filippi, Viagg. Pers.* p. 351 (1865: Enzeli, Caspian); *Dresser, Ibis*, 1876, p. 327; *Bogd. Consp. Av. Imp. Ross.* p. 74 (1884: Aralo-Caspian region; Western Thian Shan; Russian Songaria); *Zarudn. Bull. Imp. Soc. Nat. Moscou*, 1885, p. 69.

Morinellus asiaticus, *Degl. & Gerbe, Orn. Eur.* ii. p. 132 (1867).

Ægialitis asiatica, *Fritsch, Vög. Eur.* tab. 33. fig. 19 (1870); *Dresser, B. Eur.* vii. p. 470, pls. 520, 522, fig. 1 (1878); *Hume, Str. F.* vii. p. 438 (1878), viii. p. 112 (1879); *Ayres, Ibis*, 1880, p. 267 (Transvaal); *Salvin, Cat. Strickl. Coll.* p. 505 (1882: Kirghis Steppes; Damara-land); *Salvad. Atti R. Accad. Sci. Torino*, xxiii. p. 44 (1887); *Shelley, Ibis*, 1888, p. 305 (Manda Isl.); *id. P. Z. S.* 1888, p. 49 (Lado); *Dresser, Ibis*, 1889, p. 92 (Lenkoran); *Butler, Ibis*, 1890, p. 463 (Great Yarmouth); *Southwell, P. Z. S.* 1890, p. 461 (Great Yarmouth, May); *Sharpe, Ibis*, 1891, p. 113 (Fao, Aug.); *Irby, Key List Brit. B.* 2nd ed. p. 48 (1892); *Sharpe, Ibis*, 1892, p. 544 (Victoria Nyanza); *Lilford, Col. Fig. Br. B.* pt. xxi. (1892).

Adult male in summer plumage. Similar to *O. veredus*, and having a dark quill-lining like that species, but the axillaries white; crown of head brown, like the back; the forehead, eyebrow, sides of face, and throat white, like the underparts; across the fore-neck a broad band of bright chestnut, followed by a narrow band of black; quills dark brown, the primaries white-shafted, but otherwise with no white on any of the quills; tail as in *O. asiaticus*, but with only a narrow white edging to the outer feather: "bill black; feet greenish olive, toes dusky; iris dusky hazel" (*Emin Pasha*). Total length 7 inches, culmen 0·9, wing 5·65, tail 2·15, tarsus 1·35.

Adult in winter plumage. Differs from the summer plumage in wanting the rufous breast and the facial markings. Dark brown above, including the head, the sides of face, forehead, and eyebrow tinged with sandy buff, a shade of which colour is evident round the hind-neck; throat isabelline white, divided from the white of the breast by a broad band of ashy brown, extending from the lower throat to the fore-neck and chest and the sides of the upper breast.

Young. Resembles the winter plumage of the adult, but has the feathers of the upper surface edged with sandy buff, and a more pronounced tinge of this colour on the sides of the face and on the chest-band.

Hab. Breeds in the Kirghis Steppes and Central Asia, wintering in Africa and the western portion of the Indian Peninsula.

a. Ad. sk.	Altai Mountains.	Mr. Brandt.
b. ♀ ad. sk.	River Irtisch.	Mr. Brandt.
c. Imm. sk.	Fao, Persian Gulf, Aug. 11.	W. D. Cumming, Esq. [P.].
d. ♂ imm. sk.	Ratnagiri, S. Konkan, Oct. (*G. Vidal*).	Hume Coll.
e. Imm. sk.	600 miles from land between Aden and Galle.	Seebohm Coll.
f. ♀ imm. sk.	Massowa, Aug. 24.	W. T. Blanford, Esq. [P.].
g, *h*. ♂ ad. sk.	Lado, Equatorial Africa, March 30.	Emin Pasha [P.].
i. Ad. sk.	Manda Island, Nov. 13.	F. J. Jackson, Esq. [P.].
k. Ad. sk.	Benguela.	Monteiro Coll.
l. ♂ ad. sk.	Damara-land.	C. J. Andersson, Esq. [C.].
m, *n*. Imm. sk.	Damara-land (*C. J. Andersson*).	Gurney Coll.
o, *p*. ♂ ♀ ad.	Otjimbinque, Damara-land, Feb. (*C. J. A.*).	Tweeddale Coll.
q, *r*. ♂ ♀ ad. sk.	Ondonga, Ovampo-land, Nov. (*C. J. A.*).	Seebohm Coll.
s. ♂ ad. sk.	Potchefstroom, Transvaal, Jan. (*T. Ayres*).	Gurney Coll.
t. ♂ ad. sk.	Durban, Natal, Dec. (*S. G. Reid*).	Seebohm Coll.
u, *v*. Ad. sk.	Kingwilliamstown.	Major Trevelyan [P.].
w. Ad. sk.	Near Frankfort, British Kaffraria.	Major Trevelyan [P.].

8. Ochthodromus veredus.

Cursorius isabellinus (*nec Temm.*), *Horsf. Trans. Linn. Soc.* xiii. p. 187 (1821: Java).

Charadrius veredus, *Gould, P. Z. S.* 1848, p. 38 (Northern Australia); *id. B. Austr.* vi. pl. 14 (1848: Port Essington; Sydney); *Reichenb. Grall. Novit.* tab. lxxvii. fig. 2679–80 (1851); *Gray, P. Z. S.* 1858, p. 197 (N. Australia to 14° S. lat.; Islands of Torres Straits); *Finsch, Neu-Guinea*, p. 181 (1865); *Swinhoe, P. Z. S.* 1870, p. 430 (Pekin); *Gray, Hand-l. B.* iii. p. 14, no. 9992 (1871); *David et Oust. Ois. Chine*, p. 425, pl. 120 (1877); *Dresser, B. Eur.* vii. p. 480 (1878: China; Japan); *Rosenb. Malay. Archip.* p. 373 (1878–79: Kei Isl.); *Seebohm, Ibis*, 1882, p. 425 (Samarkand); *Blasius, Ornis*, 1888, p. 319 (Palawan); *Seebohm, Geogr. Distr. Charadr.* p. 115 (1888); *id. B. Japan. Emp.* p. 311 (1890), note; *Styan, Ibis*, 1891, pp. 330, 503 (Lower Yangtse, spring migrant).

Pluvialis xanthocheilus (*nec Wagl.*), *Bp. C. R.* xliii. p. 417 (1856).

Charadrius xanthocheilus (*nec Wagl.*), *Blyth, Ibis*, 1865, p. 34; *Rosenb. Malay. Archip.* p. 563 (1878–79).

Cirrepidesmus asiaticus (*nec Pall.*), *Gould, Handb. B. Austr.* ii. p. 229 (1865).

Charadrius asiaticus, *Schl. Mus. Pays-Bas*, Cursores, p. 38 (1865: Ternate, pt.).

Ægialitis veredus, *Swinhoe, P. Z. S.* 1870, p. 141 (Shanghai); *Salvad. Orn. Papuasia*, iii. p. 296 (1882); *id. Ann. Mus. Gen.* xviii. p. 325 (1883); *id. Agg. Orn. Papuasia*, iii. p. 200 (1891).

Eudromias veredus, *Harting, Ibis*, 1870, p. 209, pl. vi.; *Swinh. P. Z. S.* 1871, p. 403 (Shanghai; Pekin); *Wald. Trans. Zool. Soc.* viii. p. 88 (1872: Makassar); *Swinh. Ibis*, 1873, pp. 305, 424 (Chefoo); *Salvad. Ucc. Born.* p. 315 (1874); *Prjev. in Rowley's Orn. Misc.* ii. p. 434 (1877: S.E. Mongolia, breeding, June); *Ramsay, Proc. Linn. Soc. N. S. W.* i. p. 187 (1877), ii. p. 197 (1878); *Salvad. P. Z. S.* 1878, p. 82 (Amboina); *id. Ann. Mus. Gen.* xiv. p. 666 (1879: Kei Isl.); *id. Voy. 'Challenger,'* ii. *Birds*, p. 64 (1881); *Bogd. Consp. Av. Imp. Ross.* p. 73 (1884: Samarkand); *Ramsay, Tab. List Austr. B.* p. 19 (1888: Port Darling; Port Essington; Wide Bay distr.; Richmond and Clarence Rivers; New South Wales); *Everett, Journ. Straits Branch As. Soc.* 1889, p. 204; *Heine & Reichen. Nomencl. Mus. Hein.* p. 336 (1890: Puerto Princesa, Palawan).

Charadrius asiaticus (*nec Pall.*), *Finsch, Ibis*, 1872, p. 144 (Saigon); *Roseub. Reist. naar Geelvinkb.* p. 9 (1875).

Adult in summer plumage. Similar to *O. geoffroyi*, but with a longer and more slender bill, and distinguished by its smoky-brown axillaries, under wing-coverts, and quill-linings. Upper parts uniform brown, with slightly indicated rufous edgings to many of the feathers; bastard-wing, primary-coverts, and quills dark brown, the first primary *only* having a white shaft, and no white present on the inner webs of the quills; the secondaries also uniform dark brown, with an obsolete white fringe to the tips; innermost secondaries like the back; tail-feathers brown, with white tips and a sub-terminal shade of darker brown, the outer feather white along the outer web; crown of head brown like the back, slightly washed with rufous, as also the hind-neck, where, however, there is no distinct collar as in *O. geoffroyi*; the forehead white to the middle of the eye; eyebrow, sides of face, and throat white; lower throat, fore-neck, and chest bright chestnut, extending down the sides of the upper breast and followed by a horse-shoe mark of black; breast, abdomen, and under tail-coverts pure white; under wing-coverts and axillaries dark smoky brown, with ashy-whitish tips to the feathers; quill-lining also dark smoky brown; "bill deep olive-brown, blacker on the terminal portion; feet light brownish flesh-colour; toes washed with grey, blackish on joints; claws black; eyelids greyish black" (*R. Swinhoe*). Total length 8·5 inches, culmen 1, wing 6·5, tail 2·4, tarsus 1·75.

Adult in winter plumage. Differs from the summer plumage in wanting the rufous chest-band. Above dark brown, including the crown of the head; forehead and eyebrow isabelline white, the hinder part of the latter shaded with sandy buff, which colour also pervades the sides of the face and sides of neck, and forms a faint collar round the hind-neck; throat isabelline white; lower throat, fore-neck, and chest pale brown; remainder of under surface of body white; under wing-coverts, axillaries, and quill-lining smoky brown.

Hab. Breeds in Mongolia, wintering in the Moluccas and Australia.

a. Ad. sk.	Shanghai (*Reeves*).	Gould Coll
b. ♀ ad. sk.	Shanghai, March (*Capt. Ince*).	Mrs. Ince [P.].
c. ♂ ad. sk.	Shanghai, April 3.	Shanghai Museum.
d. Ad. sk.	Penang.	Wallace Coll.
e, *f*. Ad. sk.	Java (*Horsfield*).	India Museum.
g, *h*. Ad. sk.	W. Java (*A. R. Wallace*).	Tweeddale Coll.
i–*m*. ♂ ♀ ad. sk.	Labuan, May, June, Sept.	A. H. Everett, Esq. [C.].
n. Ad. sk.	Baram, Sarawak.	Charles Hose, Esq. [C.].
o, *p*. Ad. sk.	Celebes.	Tweeddale Coll.
q. Ad. sk.	Celebes.	Gould Coll.
r. ♀ ad. sk.	Makassar (*A. R. Wallace*).	Gould Coll.
s. Ad. sk.	Amboina.	Wallace Coll.
t. ♂ imm. sk.	Amboina.	Voy. H.M.S. 'Challenger.'
u. ♀ ad. sk.	Derby, N.W. Australia (*T. H. Bowyer Bower*).	Capt. Bowyer Bower [P.].
v. Ad. st.	Port Essington.	Capt. Chambers [P.].
w. Ad. sk.	South Queensland.	Tweeddale Coll.
x. Ad. sk.	Melbourne.	Salvin-Godman Coll.

27. EUDROMIAS.

Type.

Eudromias, *Brehm*, *Vög. Deutschl.* p. 544 (1831 : *ex Boie MSS.*) ..... E. morinellus.
Morinellus, *Bp. C. R.* xliii. p. 417 (1856) ..... E. morinellus.

Range. The same as that of the single species of the genus.

1. Eudromias morinellus.

The Dotterell from Lincolnshire, *Albin*, *Nat. Hist.* ii. p. 58, pl. 63 (1738).

Le Petit Pluvier ou Le Guignard, *Briss. Orn.* v. p. 54, pl. iv. fig. 2 (1760).

Le Guignard d'Angleterre, *Briss. Orn.* v. p. 58 (1760).

Charadrius morinellus, *Linn. Syst. Nat.* i. p. 254 (1766); *Gm. Syst. Nat.* i. p. 686 (1788); *Pallas*, *Zoogr. Rosso-Asiat.* ii. p. 134, tab. lvii. (1811); *Temm. Man. d'Orn.* p. 326 (1815); *Leach*, *Syst. Cat. Mamm. & B. Brit. Mus.* p. 28 (1816); *Vieill. N. Dict. d'Hist. Nat.* xxvii. p. 140 (1818); *Temm. Man. d'Orn.* ii. p. 537 (1820); *Roux*, *Orn. Prov.* pls. 273, 274 (1825); *Werner*, *Atlas*, *Coureurs*, pl. 5 (1827); *Wagl. Syst. Av.* p. 69, sp. 38 (1827); *Naum. Vög. Deutschl.* vii. Taf. 174 (1834); *Gould*, *B. Eur.* iv. pl. 295 (1837); *Cresp. Orn. Gard*, p. 360 (1840); *Nordm. in Démid. Voy. Russ. Mérid.* iii. p. 232 (1840 : Odessa); *Selys-Longch. Faun. Belg.* p. 121 (1842); *Schl. Rev. Crit.* p. lxxxii (1844); *Gray*, *Gen. B.* iii. p. 544 (1847); *Kjærb. Danm. Fugle*, pl. 30. fig. 4 (1852); *Schl. Vog. Nederl.* pl. 212 (1854); *Cass. Proc. Philad. Acad.* 1858, p. 195 (Japan); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 446 (1859); *Schl. Dier. Nederl. Vogels*, pl. 21. fig. 4 (1861); *Malmgr. Œfv. K. Vet.-Akad. Förh. Stockh.* 1863, p. 115; *Gray*, *List Brit. B.* p. 140 (1863); *Sundev. Sv. Fogl.* p. 334, pl. xxxvii. fig. 1 (1856–72); *Gray*, *Hand-l. B.* iii. p. 14, no. 9989 (1871); *R. Gray*, *B. West Scotl.* p. 254 (1871); *Palmén*, *Finlands Foglar*, p. 78 (1873); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1016 (1873: Blue Nile and

Lower Egypt), App. p. clxxx ; *Sunder. Œfv. K. Vet.-Akad. Förh. Stockh.* 1874, p. 21 (Spitsbergen) ; *Fallon, Ois. Belg.* p. 151 (1875) ; *Finsch, Verhandl. z.-b. Gesellsch. Wien*, xxix. p. 244 (1879 : Schtschutschja) ; *Bunge, Mél. Biol. Bull. Acad. Imp. St. Pétersb.* xii. livr. 1, p. 62 (1884 : Lena Delta) ; *Seebohm, Hist. Brit. B.* iii. p. 30, pl. 26. figs. 1-3 (1885) ; *Booth, Rough Notes*, ii. cum tab. (1887) ; *Seebohm, Geogr. Distrib. Charadr.* p. 113 (1888) ; *Reichen. Verz. Vog. Deutschl.* p. 51 (1889) ; *Seebohm, B. Japan. Emp.* p. 305 (1890) ; *Frivaldsky, Aves Hung.* p. 122 (1891) ; *Madarász, Avast. Ungar. Vogelf.* p. 102 (1891).

Charadrius tartaricus, *Pallas, Reis. Russ. Reichs*, ii. p. 715 (1773).

Le Guignard, *D'Aubent. Pl. Enl.* ix. pl. 832 ; *Buff. Hist. Nat. Ois.* viii. p. 87 (1781).

Charadrius anglus, *P. L. S. Müll. Syst. Nat., Anhang*, p. 117 (1776) ; *Cass. Proc. Philad. Acad.* 1864, p. 246.

The Dotterel, *Lath. Gen. Syn.* iii. pt. 1, p. 208 (1785) ; *Yarrell, Brit. B.* ii. p. 392 (1843).

Charadrius sibiricus, *Lepech. Iter.* ii. pl. vi. (1771–80) ; *Gm. Syst. Nat.* i. p. 690 (1788).

Eudromias montana, *Brehm, Vög. Deutschl.* p. 546 (1831).

Eudromias stolida, *Brehm, Vög. Deutschl.* p. 547 (1831).

Eudromias morinellus, *Brehm, Vög. Deutschl.* p. 545 (1831) ; *Bp. Comp. List B. Eur. & N. Amer.* p. 45 (1838) ; *Keys. & Blas. Wirb. Eur.* p. 208 (1840) ; *Mühle, Beitr. Orn. Griechenl.* p. 96 (1844) ; *Gray, List Grall. Brit. Mus.* p. 67 (1844) ; *Thomps. B. Irel.* ii. p. 93 (1850) ; *Licht. Nomenel. Av. Mus. Berol.* p. 95 (1854 : Khirghis Steppes) ; *Heugl. Syst. Uebers.* p. 56 (1856 : Egypt and Red Sea in winter) ; *Tristr. Ibis*, 1860, p. 78 (N. Africa) ; *Linderm. Vog. Griechenl.* p. 134 (1860) ; *Gould, B. Gt. Brit.* iv. pl. 43 (1862) ; *Radde, Reis. Sibir., Vög.* p. 323 (1863 : E. Siberia) ; *Borggr. Vogelf. Norddeutschl.* p. 110 (1869) ; *Doderl. Arif. Sicil.* p. 175 (1869) ; *Saunders. Ibis*, 1869, p. 173 ; *Droste, Vogelw. Borkum*, p. 118 (1869) ; *Gillett. Ibis*, 1870, p. 306 (Novaya Zemlya) ; *Fritsch, Vog. Eur.* tab. 33. figs. 16, 17 (1870) ; *Stevenson, B. Norf.* ii. p. 76 (1870) ; *Salvad. Faun. Ital., Uce.* p. 204 (1871) ; *Saunders, Ibis*, 1871, p. 386 (S. Spain) ; *Harting, Handb. Brit. B.* p. 43 (1872) ; *Heugl. Ibis*, 1872, p. 62 (Novaya Zemlya) ; *Shelley, B. Egypt*, p. 230 (1872) ; *Dyb. J. f. O.* 1873, p. 101 (Dauria, nesting) ; *Severtz Turkest. Jevotn.* p. 69 (1873 : migrant) ; *Brooke, Ibis*, 1873, p. 337 (Sardinia) ; *Saxby, B. Shetl.* p. 162 (1874) ; *Dresser, B. Eur.* vii. p. 507, pl. 526 (1875) ; *Irby, Orn. Straits Gibr.* p. 161 (1875) ; *Corbeaux, Ibis*, 1875, p. 184 (Heligoland) ; *Blanf. East. Persia*, ii. p. 278 (1876 : Kágrún, W. of Shiraz) ; *Seebohm & Harvie-Brown, Ibis*, 1876, p. 289 (Lower Petchora) ; *Dresser, t. c.* p. 327 (Turkestan) ; *Tacz. Bull. Soc. Zool. France*, i. p. 248 (1876 : nests in Baikal, Dauria), ii. p. 155 (1877 : Poland, spring and autumn) ; *Seebohm, Ibis*, 1879, p. 155 (R. Kooravika, lat. 71) ; *Collett, Norges Fugle*, p. 359 (1881) ; *Seebohm, Ibis*, 1882, p. 221 (Astrakhan ; Kirghis Steppes, breeding) ; *Salvin, Cat. Strickl. Coll.* p. 505 (1882) ; *B. O. U. List Brit. B.* p. 160 (1883) ; *Saunders, Ibis*, 1883, p. 349 ; *id. ed. Yarrell's Brit. B.* iii. p. 246 (1883) ; *Tristr. Faun. & Flor. Palest.* p. 130 (1884 : Beersheba) ; *Bogd. Cusop. Av. Imp. Ross.* p. 72 (1884) ; *Radde, Orn. Cauc.* pp. 43, 415 (1884 : Caspian) ; *Chapman, Ibis*, 1885, p. 175 (Lapland) ; *Gigl. Avif. Ital.* p. 371 (1886) ; *Salvad. Elenco Uce. Ital.* p. 211 (1886) ; *Pleske, Uebers Saug. u. Vög. Kola-Halbins.* p. 328 (1886) ; *Taul, Ibis*, 1887, p. 386 (Portugal) ; *Buckley & Harvie-Brown,*

Vertebr. Faun. Outer Hebr. p. 125 (1888); *Koenig, J. f. O.* 1888, p. 83 (Tunis); *Meade-Waldo, Ibis*, 1889, p. 515 (Canary Is.); *Saunders, Man. Brit. B.* p. 521 (1889); *Gigl. 1st Resoc. Avif. Ital.* p. 569 (1889); *2nd Resoc.* p. 561 (1890); *3rd Resoc.* p. 511 (1891); *Brusina, Motr. etc.* (*Orn. Croatica*), p. 86 (1890); *Seebohm, Ibis*, 1890, p. 403 (Ireland); *Heine & Reichen. Nomencl. Mus. Hein.* p. 330 (1890: Lapland); *Olphe-Gall. Contr. Faun. Orn. Eur. Occid.* fasc. xiii. p. 23 (1890); *Reiser, Vogels. Landesm. Sarajevo*, p. 106 (1891); *Evans, Ibis*, 1891, p. 79 (incubation); *Buckley & Harvie-Brown, Vertebr. Faun. Orkneys*, p. 203 (1891); *iid. Vertebr. Faun. Argyll*, p. 166 (1892); *Macph. Vertebr. Faun. Lake-land*, p. 348 (1892); *Meade-Waldo, Ibis*, 1893, p. 203 (Canaries); *Grant, Bull. B. O. C.* i. p. lv (1893: Scotland, nesting); *id. op. cit.* iii. p. iii (1894); *Whitaker, Ibis*, 1894, p. 99 (Tunis); *Pearson & Bidwill, t. c.* p. 232 (N. Norway, breeding).

Pluvialis morinellus, *Macgill. Man. Brit. B.* ii. p. 50 (1840); *id. Brit. B.* iv. p. 104 (1850).

Charadrius (Eudromias) morinellus, *Middend. Reis. Sibir., Zool.* p. 211 (1851: Taimyr R., June, 73¾°; Boganida, May, Aug.).

Morinellus sibiricus, *Bp. C. R.* xliii. p. 417 (1856); *Schl. Mus. Pays-Bas*, Cursores, p. 46 (1865); *Degl. & Gerbe, Orn. Eur.* ii. p. 129 (1867); *Loche, Expl. Sci. Algér., Ois.* ii. p. 265 (1867).

Adult male. General colour ashy brown, streaked with sandy buff, with which colour the feathers are edged; lower back, rump, and upper tail-coverts pale ashy brown, with lighter fringes, and a slightly indicated dusky sub-terminal shade; wing-coverts like the back, and margined with sandy buff in the same manner; bastard-wing, primary-coverts, and quills dusky brown, the first primary with a broad white shaft, the outer web also white; the other primaries blackish along the outer web and at the ends; the secondaries fringed with whitish, the innermost edged with sandy buff and resembling the back; crown of head blackish brown, slightly varied with sandy-buff margins to the feathers; base of forehead and lores white, mottled with black spots; a broad white eyebrow, extending as far back as the sides of the nape; sides of face and ear-coverts white, spotted and streaked with dusky brown, the ear-coverts brown along the upper and hinder margin; throat white, with dusky streaks on the lower throat; sides of neck and a broad band across the fore-neck light ashy brown, washed with sandy buff, and bordered on its lower edge by a narrow band of black; this black band followed by a band of white across the chest; breast and sides of the body orange-chestnut; the centre of the lower breast and abdomen black; lower abdomen, thighs, and under tail-coverts pure white; axillaries, under wing-coverts, and quill-lining pale smoky grey. Total length 8·5 inches, culmen 0·75, wing 5·8, tail 2·5, tarsus 1·4.

Adult female. Similar to the adult male, but less brightly coloured and the black patch on the abdomen not so strongly developed. Total length 8·8 inches, culmen 0·75, wing 5·75, tail 2·65, tarsus 1·25.

Adults in winter plumage. Somewhat similar on the upper surface to the summer plumage, but the head not so blackish, the crown being brown with sandy-buff streaks; sides of face ashy fulvous,

streaked with dark brown; chin white; throat ashy brown, streaked with dusky brown, with a faintly indicated band of white on the chest; remainder of under surface of body isabelline white, with the sides of the body tinged with sandy buff.

Young. Differs from the winter plumage of the adults, which it otherwise resembles, in having the mantle blackish brown, with whitish edgings to the feathers; the eyebrow and the throat and underparts washed with sandy ochreous.

Nestling. Black above, mottled with spots of rufous or sandy buff; head patterned with black, with a conspicuous white forehead and eyebrow, with a black loral streak and line of black down the centre of the forehead; round the back of the head a creamy-white band.

Hab. Nests in Northern Europe and across Siberia, wintering in the countries of the Mediterranean and North-eastern Africa.

a, *b*. ♂ ♀ ad. st. group.	S. Banffshire, N.B., June.	F. D. Godman, Esq. [P.].
c ♂ ad. st.	S. Banffshire, N.B., July.	F. D. Godman, Esq. [P.].
d, *e*. ♂ ad. sk.	Lancashire.	Montagu Coll.
f, *g*. ♂ ♀ ad. sk.	Melbourne, Cambridgeshire, May 10 (*H. Saunders*).	Tweeddale Coll.
h ♀ ad. sk.	Cambridgeshire, May 18 (*O. Salvin*).	Salvin-Godman Coll.
i, *k*. ♂ ad. sk.	Cambridgeshire, May 14 (*F. D. Godman*).	Salvin-Godman Coll.
l, *m*, *n*. Ad. st.	Cambridgeshire.	Purchased.
o Ad. st.	Yarmouth, Aug.	J. E. Harting, Esq. [C.].
p Juv. sk.	Sussex.	Old Coll.
q Ad. sk.	Near Brighton, autumn.	J. E. Harting, Esq. [C.].
r Juv. sk.	Pembrokeshire, Nov. 23.	Hon. W. Edwardes [C.].
s Pull. sk.	Quickiock, Lapland (*H. Wheelwright*).	Gould Coll.
t ♀ ad. sk.	Jutland, Denmark, June 25 (*A. Benzon*).	Tweeddale Coll.
u, *v* ♂ ad. et juv. sk.	Russia.	Moscow Mus.
w ♂ ad. sk.	Valley of the Yen-e-sai, N. lat. 71°, July 25 (*H. S.*).	Seebohm Coll.
x, *y*. ♂ hiem. sk.	Beersheba, Palestine, Feb.	Canon Tristram [C.].
z, *a*² ♂ hiem. sk.	Wilderness of Judæa, Feb. (*H. B. T.*).	Salvin-Godman and Tweeddale Colls.
*b*² Ad. sk.	Morocco (*Olcese*).	Tweeddale Coll.
*c*² Imm. sk.	Granada, Spain, Dec. (*H. Saunders*).	Tweeddale Coll.
*d*² Skeleton.	England.	Purchased.
*e*² Sternum.	England.	John Ray, Esq. [P.]
*f*² Sternum.	St. Bride's.	Hon. W. Edwardes [P.].

28. ZONIBYX.

Type.

Zonibyx, *Reichenb. Av. Syst. Nat.* p. xviii (1852) ..... Z. modesta.

Range. South America, from Tarapacá on the west and Buenos Ayres on the east, to Tierra del Fuego and the Falkland Islands.

1. Zonibyx modesta.

Charadrius modestus, *Licht. Verz. Doubl.* p. 71 (Montevideo); *Wagler, Syst. Av.* p. 36, sp. 44 (1827); *Gray, Hand-l. B.* iii. p. 15, no. 9996 (1871); *Seeb. Geogr. Distr. Charadr.* p. 105 (1885: Santa Lucia, La Plata).

Tringa urvillii, *Garnot, Ann. Sci. Nat.* vii. p. 26 (1826).

Vanellus cincta, *Less. Voy. Coquille*, i. p. 126, pl. 43 (1826); *id. Man. d'Orn.* ii. p. 309 (1828).

Charadrius nebulosus, *Less. Man. d'Orn.* ii. p. 315 (1828).

Charadrius rubecola, *King, Zool. Journ.* iv. p. 96 (1829); *Seeb. Geogr. Distr. Charadr.* pl. i. (1888).

Squatarola rubecola, *Jard. & Selby, Ill. Orn.* ii. pl. 110 (1830).

Squatarola cincta, *Gould, Voy. 'Beagle,'* ii. p. 126 (1841); *id. P. Z. S.* 1859, p. 195 (eggs).

Squatarola fusca, *Gould, Voy. 'Beagle,'* ii. p. 126 (1841: Maldonado).

Squatarola urvillii, *Bridges, P. Z. S.* 1843, p. 18; *Gray, List Grallæ Brit. Mus.* p. 63 (1844); *Gay, Hist. fis. Chile, Zool.* i. p. 401 (1847).

Squatarola modesta, *Gray, Gen. B.* iii. p. 543 (1847); *Licht. Nomencl. Av.* p. 95 (1854).

Zonibyx cincta, *Reichenb. Av. Syst. Nat.* p. xviii (1852).

Vanellus modestus, *Burm. Th. Bras.* iii. p. 362 (1856); *id. Reis. La Plata-St.* ii. p. 363 (1861: Pampas; Rio Quarto).

Hiaticula fusca, *Cass. U.S. Expl. Exp., Zool.* p. 328 (1858: Tierra del Fuego).

Eudromias urvillii, *Scl. P. Z. S.* 1860, p. 386 (Falklands); *Abbott, Ibis*, 1861, p. 155 (Falklands).

Morinellus modestus, *Schl. Mus. Pays-Bas*, Cursores, p. 48 (1865).

Eudromias modesta, *Scl. & Salv. P. Z. S.* 1868, p. 144 (Conchitas); *iid. Ibis*, 1868, p. 188 (Sandy Point, Dec.; Peckett Harbour, Jan.); *Harting, Ibis*, 1870, p. 202; *Scl. t. c.* p. 500 (Straits of Magellan); *id. & Salv. Nomencl. Av. Neotr.* p. 143 (1873); *Durnf. Ibis*, 1876, p. 164 (Buenos Ayres); *id. Ibis*, 1877, p. 197, 1878, p. 402 (Chupat); *Scl. & Salv. P. Z. S.* 1878, p. 438 (Gray Harbour; Tom Harbour; Puerto Bueno; Port Famine; Falkland Isl.); *Sharpe, P. Z. S.* 1881, p. 55 (Tom Harbour; Puerto del Morro; Port Henry; Cockle Cove); *Scl. & Salv. Voy. 'Challenger,'* ii. *Birds*, p. 108 (1882); *Barrows, Auk*, i. p. 313 (1884: Concepcion, April, May); *Withington, Ibis*, 1888, p. 472 (Lomas de Zamora); *Scl. & Hudson, Argent. Orn.* ii. p. 171 (1889); *Berkeley James, List Chilian B.* p. 11 (1892); *Holland, Ibis*, 1892, p. 210 (Estancia Espartilla, March to Aug.); *Aplin, Ibis*, 1894, p. 206 (Uruguay, winter).

Squatarola durvillii, *Martens, J. f. O.* 1875, p. 440 (Chili).

Adult male. General colour above brown, including the scapulars and parapteral plumes, some of the latter being broadly edged with white; rump blackish brown; upper tail-coverts a little darker brown than the back; wing-coverts like the back; bastard-wing, primary-coverts, and quills brown, the primaries blackish on the

outer web and at the tip, having also white shafts; inner small secondaries tipped with white; tail-feathers brown, shaded with blackish sub-terminally and fringed with white, developing on the outer tail-feathers, the ante-penultimate one broadly tipped and edged with white, the penultimate one almost entirely white, with only a small brown spot beyond the half of the inner web; outer tail-feather entirely white; head brown like the back; lores, base of forehead, and sides of face and ear-coverts ashy grey, separated from the crown of the head by a broad band of white, which crosses the forehead and is continued into a broad eyebrow, extending to the sides of the occiput; upper throat paler ashy grey, the chin whitish; lower throat, fore-neck, and chest orange-chestnut, followed by a broad pectoral band of black; sides of upper breast pale brown like the sides of the neck; remainder of under surface of body pure white; thighs brown; axillaries and under wing-coverts white; outer wing-coverts and lower primary-coverts light ashy brown, like the quill-linings; "bill black; feet greenish grey" (*H. Burmeister*); "iris brown" (*J. Bridges*). Total length 7 inches, culmen 0·8, wing 5·4, tail 2·3, tarsus 1·2.

Adult female. Resembles the male. Total length 7·3 inches, culmen 0·9, wing 5·45, tail 2·2, tarsus 1·15.

Adult in winter plumage. Similar to the summer plumage above, but differing in the colour of the underparts; throat white; lower throat, fore-neck, and chest ashy brown washed with sandy buff, and only a slight indication of a line of black below.

Young. Distinguished by its black upper surface, streaked with buffy-white margins to the feathers, the wing-coverts brown with sandy margins; chest-band sandy brown, mottled with subterminal bars of blackish.

Hab. Falkland Islands; South America from Tierra del Fuego to Buenos Ayres on the east and Tarapacá on the west.

a Ad. sk.	Falkland Islands.	Salvin-Godman Coll.
b, *c* Ad.; *d*, *e*, *f* Juv. sk.	Falkland Islands.	Antarctic Expedition.
g ♂ ad. sk.	Falkland Islands.	Voy. H.M.S. 'Challenger.'
h ♂ ad. sk.	Berkeley Sound, E. Falklands, Nov. 23 (*R. McCormick*).	McCormick Bequest.
i, *k* Ad. sk.	Tierra del Fuego (*C. Darwin*).	Zoological Society. (Types of *S. cincta*.)
l Ad. sk.	Hermit Island.	Antarctic Expedition.
m ♀ juv. sk.	Port Famine, Straits of Magellan.	Voy. H.M.S. 'Challenger.'
n ♀ ad. sk.	Gray Harbour, Messir Channel.	Voy. H.M.S. 'Challenger.'
o Ad. sk.	Porto Bueno, Jan. 9.	Voy. H.M.S. 'Challenger.'
p ♂ juv. sk.	Puerto del Morro, Feb. 5 (*Dr. Coppinger*).	Voy. H.M.S. 'Alert.'
q, *r*, *s* ♂ ♀ ad. sk.	Cockle Cove, Straits of Magellan, Oct. 16 (*Dr. Coppinger*).	Salvin-Godman Coll.
t Ad. sk.	Tom Bay, Feb. (*Dr. Coppinger*).	Voy. H.M.S. 'Alert.'

t. ♀ ad. sk.	Tom Bay.	Voy. H.M.S. 'Challenger.'
u, *v*, *w*. Ad. et juv. sk.	Chupat, Patagonia, April.	H. Durnford, Esq.
x. ♂ ad. sk.	Chili (*Reed*).	Salvin-Godman Coll.
y. ♂ ad. sk.	Pampas Argentinas (*Leybold*).	Salvin-Godman Coll.
z, *a'*. ♀ ad. sk.	Tarapacá, July, Aug. (*A. A. Lane*).	Berkeley James Coll.
b'. ♂ ad. sk.	Buenos Ayres, May (*W. H. Hudson*).	Salvin-Godman Coll.
c'. Ad. hiem. sk.	Maldonado.	Sir W. Burnett & Capt. Fitzroy [P.]. (Type of *S. fusca*.)
d', *e'*. ♂ ♀ juv. sk.	Lomas de Zamora (*Withington*).	Sclater Coll.

29. PODASOCYS.

Type.

Podasocys, *Coues*, *Proc. Philad. Acad.* 1866, p. 96 .... P. montanus.

Range. Western States of North America, from Montana to Mexico.

1. Podasocys montanus.

Charadrius montanus, *Towns. Journ. Acad. Philad.* vii. p. 192 (1837: Central tableland of Rocky Mountains); *Audub. B. Amer.* pl. 350; *id. Orn. Biogr.* iv. p. 362 (1838); *id. B. Amer.* 8vo, v. p. 213, pl. 318 (1842); *Gray, Gen. B.* iii. p. 544 (1847); *id. Hand-l. B.* iii. p. 15, no. 9997 (1871); *Seebohm, Geogr. Distr. Charadr.* p. 153 (1888).

Ochthodromus montanus, *Bp. C. R.* xliii. p. 417 (1856).

Ægialitis montanus, *Baird, B. N. Amer.* p. 693 (1858); *Blakist. Ibis*, 1863, p. 130 (Upper Missouri); *Coues, Ibis*, 1865, p. 159 (Arizona); *Dresser, t. c.* p. 317 (S. Texas); *id. Ibis*, 1866, p. 33 (San Antonio); *Coues, t. c.* p. 266; *Snow, B. Kansas*, p. 13 (1872); *Hensh. Rep. Zool. Expl.* 100*th Merid.* p. 447 (1875); *Belding, Proc. U.S. Nat. Mus.* i. p. 440 (1878: Stockton & Marysville, California); *A. O. U. Check-l. N. Amer. B.* p. 164 (1883); *Ridgw. Man. N. Amer. B.* p. 176 (1887); *Beckh. Proc. U.S. Nat. Mus.* x. p. 637 (1887: Bexar Co., Texas); *Cooper, Auk*, iv. p. 91 (1887: Sacramento Valley; San Francisco); *Lloyd, t. c.* p. 186 (Western Texas); *Allen, Auk*, x. p. 134 (1893).

Charadrius asiaticus, pt., *Schl. Mus. Pays-Bas*, Cursores, p. 38 (1865).

Podasocys montanus, *Coues, Proc. Acad. Philad.* 1866, p. 96; *Elliot, New & Unfig. B. N. Amer.* pl. 39 (1869); *Allen, Bull. Harv. Coll.* iii. p. 181 (1872: Middle Kansas; plains of Colorado & Wyoming; South Park); *Coues, Check-list N. Amer. B.* p. 98 (1882); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 172 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 604 (1884).

Eudromias montanus, *Harting, Ibis*, 1870, p. 202; *Coues, Check-list N. Amer. B.* p. 135 (1873); *id. Amer. Nat.* viii. p. 600 (1874: Montana, breeding); *id. B. N.-West*, p. 456 (1874); *id. Bull. U.S. Geol. Surv.* iv. p. 634 (1878: Frenchman's River, breeding; Milk River).

Ægialitis asiaticus, var. montanus, *Coues, Key N. Amer. B.* p. 245 (1872).

Adult male. General colour above pale brown, with a faint tinge

of sandy buff, especially about the hind-neck and mantle; rump a little more dusky brown; upper tail-coverts light ashy brown; wing-coverts like the back, the lesser coverts darker brown, forming a band along the edge of the wing; greater series also somewhat darker brown and tipped with white; bastard-wing, primary-coverts, and quills dark brown, the primaries with white shafts and having a darker outer web and tip; secondaries slightly fringed with whitish, the innermost like the back; tail-feathers light ashy brown, with white tips, preceded by a broad sub-terminal band of blackish brown; crown of head brown; forehead white, extending backwards over the eye and separated from the crown by a broad band of black; a loral streak of black from the base of the bill to the eye; eyelid, cheeks, and under surface of body white, with a tinge of isabelline buff on the fore-neck and chest: "bill black; feet light dull brownish yellow" (*J. J. Audubon*). Total length 8·5 inches, culmen 1, wing 5, tail 2·4, tarsus 1·55.

Adult female. Similar to the male, but with the black frontal band not so defined. Total length 8 inches, culmen 0·9, wing 5·8, tail 2·5, tarsus 1·55.

Adult in winter plumage. Differs from the summer plumage in wanting the black band on the crown. The hind-neck is washed with sandy buff, and there are slight evidences of sandy colour on the edges of the feathers.

Young. Similar to the adults in winter plumage, but distinguished by having distinct sandy edgings to all the feathers of the upper surface: the sides of the face and eyebrow washed with sandy rufous, which extends over the chest and sides of the body: on each side of the fore-neck a large patch of ashy-brown feathers, edged with sandy rufous.

Nestling. Covered with sandy-buff down, beautifully mottled with black on the head and back, the principal features being a black line down the centre of the back and spots of black on each side of the rump; owing, however, to the general distribution of the black spots, none are particularly prominent; round the neck an isabelline collar; forehead, eyebrow, and sides of face, as well as the under surface of the body, isabelline buff, with a tinge of yellow on the chest; a bare line on each side of the lower throat.

The downy pattern is retained on the lower back and rump till the bird is of good size, and the black markings become very distinct. The first feathers are brown, with sandy-rufous margins.

Hab. Western United States from Montana and Dakota, south to Texas, Lower California, and Mexico.

a, *b* Ad. ♂.	49th Parallel, June (*G. Dawson*).	N. Amer. Boundary Commission.
c Pull. ♂.	Frenchman's River, July 9 (*Dr. Coues*).	Salvin-Godman Coll.
d, *e* imm. ♂; *f* imm. ♀.	San Antonio, Texas, June (*H. E. Dresser*).	Salvin-Godman Coll.
g ♂ ♀ ad. et juv. ♂.	Corpus Christi, Nov. (*F. B. Armstrong*).	Salvin-Godman Coll.

n. Ad. sk.	Fort Bridger, Utah.	Salvin-Godman Coll.
o, *p*, *q*. Imm. sk.	Pueblo, Colorado, July (*H. W. H.*).	Salvin-Godman Coll.
r–*z*. ♂ ad.; *a'*–*f'*. ♀ ad.; *g'*–*s'*. Pull. sk.	Colorado Springs, Colorado, June (*H. W. Henshaw*).	Salvin-Godman Coll.
t'. Pull. sk.	Algodones, New Mexico, June (*H. W. H.*).	Salvin-Godman Coll.
u'. Ad. sk.	Mizpah Creek (*Dr. F. B. Hayden*).	Salvin-Godman Coll.
v'–*z'*. ♂ ♀ juv. sk.	San Francisco, Oct.	Salvin-Godman Coll.
a''. Juv. sk.	Fort Tejon, Cal. (*C. B. Molhausen*).	Salvin-Godman Coll.
b''. ♂ juv. sk.	La Paz, Lower California, Dec. 26 (*A. Forrer*).	Salvin-Godman Coll.
c'', *d''*. ♂ ad. sk.	Hermosillo, Sonora, Dec. (*Ferrari-Perez*).	Salvin-Godman Coll.
e'', *f''*, *g''*. ♂ ♀ ad. sk.	Zacatecas, Feb. (*W. B. Richardson*).	Salvin-Godman Coll.

30. OXYECHUS.

	Type.
Oxyechus, *Reichenb. Av. Syst. Nat.* p. xviii (1852)	O. vociferus.

Range. North America generally, migrating into South America. Africa.

Key to the Species.

a. Rump and upper tail-coverts cinnamon ..... *vociferus*, p. 242.
b. No cinnamon colour on the rump and upper tail-coverts.
a'. One dark band on the inner web of the outer tail-feather.
a''. Forehead entirely white, not continuous with the eyebrow ..... *tricollaris*, p. 247.
b''. Base of forehead grey, like the throat, followed by a white band, which is continuous with the white eyebrow ..... *bifrontatus*, p. 249.
b'. Three dark bands on the inner web of the outer tail-feather; forehead entirely grey, like the throat ..... *forbesi*, p. 250.

1. Oxyechus vociferus.

The Chattering Plover, *Catesby, Nat. Hist. Carol.* i. p. 71, pl. 71 (1730).
Le Pluvier à collier de Virginie, *Briss. Orn.* v. p. 68 (1760).
Le Pluvier à collier de S. Domingue, *Briss. Orn.* v. p. 70, pl. vi. fig. 2 (1760).
? Le Pluvier à collier de Jamaique, *Briss. Orn.* v. p. 75 (1760).
Charadrius vociferus, *Linn. Syst. Nat.* i. p. 253 (1766); *Gm. Syst. Nat.* i. p. 685 (1788); *Lath. Ind. Orn.* ii. p. 742 (1790); *Wilson, Amer. Orn.* vii. p. 73, pl. 59. fig. 6 (1813); *Audub. B. Amer.* pl. ccxv. (c. 1826); *id. Orn. Biogr.* iii. p. 191 (1835); *Jard. ed. Wilson's Amer. Orn.* ii. p. 365, pl. lix. fig. 6 (1832); *Audub. Orn. Biogr.* v. p. 577 (1839); *id. B. Amer.* 8vo, v. p. 207, pl. 317

(1842); *Gray, List Grall. Brit. Mus.* p. 71 (1844); *id. Gen. B.* iii. p. 544 (1847); *id. List Brit. B.* p. 142 (1863); *Schl. Mus. Pays-Bas*, Cursores, p. 23 (1865); *Gray, Hand-l. B.* iii. p. 14, no. 9987 (1871); *Lawr. Pr. U.S. Nat. Mus.* i. p. 450 (1878: Guadeloupe); *Seebohm, Hist. Brit. B.* iii. p. 28, pl. 26 (1885); *id. Geogr. Distr. Charadr.* p. 120 (1888).

Charadrius torquatus, *Linn. Syst. Nat.* i. p. 255 (1766); *Gm. Syst. Nat.* i. p. 255 (1788).

? Charadrius jamaicensis, *P. L. S. Müll. Syst. Nat., Anhang*, p. 117 (1776); *Gm. Syst. Nat.* i. p. 685 (1788); *Cass. Proc. Philad. Acad.* 1864, p. 246.

Noisy Plover, *Lath. Gen. Syn.* iii. pt. 1, p. 199 (1785).

Noisy Plover, var. A, *Lath. t. c.* p. 200.

? Collared Plover, *Lath. t. c.* p. 201.

Ægialitis vocifera, *Bp. Comp. List B. Eur. & N. Amer.* p. 45 (1838); *Gosse, B. Jamaica*, p. 330 (1847); *Baird, B. N. Amer.* p. 692 (1858); *Xantus, Proc. Philad. Acad.* 1859, p. 192 (Fort Tejon); *Sclat. & Salv. Ibis*, 1859, p. 227 (Dueñas); *Bryant, Proc. Bost. Soc. N. H.* vii. p. 121 (1859: Bahamas); *A. Newton, Ibis*, 1860, p. 307 (St. Thomas); *Taylor, t. c.* p. 313 (Tigré Isl., Honduras); *Blakist. Ibis*, 1862, p. 8 (Saskatchewan); *Sclater, t. c.* p. 276 (Christchurch, Hants); *Blakist. Ibis*, 1863, p. 129 (Fort Carlton); *Scl. P. Z. S.* 1864, p. 178 (City of Mexico); *Coues, Ibis*, 1865, p. 158 (Arizona); *Salvin, t. c.* p. 191 (Guatemala); *Dresser, Ibis*, 1866, p. 33 (Galveston, S. Texas); *Lawr. Ann. Lyc. N. Y.* ix. p. 209 (1868: Sisal, Yucatan); *Brown, Ibis*, 1868, p. 428 (Vancouver Isl.); *Scl. & Salv. P. Z. S.* 1868, p. 176 (Tambo Valley, Peru); *Salv. P. Z. S.* 1870, p. 219 (Volcan de Chiriqui); *Harting, List Brit. B.* p. 134 (1872); *Allen, Bull. Harv. Coll.* iii. p. 355 (1872); *Snow, B. Kansas*, p. 13 (1872); *Coues, Key N. Amer. B.* p. 244 (1872); *Scl. & Salv. Nomencl. Av. Neotrop.* p. 143 (1873); *Coues, B. N.-West*, p. 452 (1874); *Lawr. Mem. Bost. Soc. N. H.* ii. p. 307 (1874: Mazatlan); *Hensh. Rep. Zool. Expl. 100th Merid.* p. 445 (1875); *Lawr. Bull. U.S. Nat. Mus.* iv. p. 46 (1876: Tehuantepec, Aug., Feb.); *Ridgw. Rep. Survey 40th Par.* p. 603 (1877: Carson, Nevada; Gt. Salt Lake); *Sennett, Bull. U.S. Geol. Surv.* iv. p. 53 (1878: Brownsville, Texas); *Coues, t. c.* p. 634 (Dakota & Montana); *Merrill, Proc. U.S. Nat. Mus.* i. p. 160 (1878: S.W. Texas); *Belding, t. c.* pp. 391, 440 (Murphy's, Cal.); *Tacz. P. Z. S.* 1879, p. 244; *Scl. & Salv. t. c.* p. 547 (Medellin); *Cory, B. Bahamas*, p. 145 (1880); *A. & E. Newton, Handb. Jamaica*, p. 115 (1881); *Zeledon, Cat. Aves Costa Rica*, p. 30 (1882); *Coues, Check-l. N. Amer. B.* p. 97 (1882); *Saunders, ed. Yarrell's Brit. B.* iii. p. 266, note (1883); *B. O. U. List Brit. B.* p. 160 (1883); *Cory, B. S. Domingo*, p. 141 (1884); *Cornish, Zool.* 1885, p. 113 (Scilly Isl.); *Tacz. Orn. Pérou*, iii. p. 342 (1886: Pacasmayo); *Ferrari-Perez, Pr. U.S. Nat. Mus.* ix. p. 178 (1886: Puebla; Jalapa); *A. O. U. Check-l. N. Amer. B.* p. 161 (1886); *Everm. Auk*, iii. p. 92 (1886: Ventura Co.); *Seton, t. c.* p. 152 (W. Manitoba); *Anthony, t. c.* p. 164 (Oregon); *Fox, t. c.* p. 319 (Tennessee); *Scott, t. c.* p. 387 (Arizona); *Ridgw. Man. N. Amer. B.* p. 174 (1887); *Beckh. Auk*, iv. p. 124 (1887: Pueblo, Colorado); *Langdon, t. c.* p. 129 (Tennessee); *Lloyd, t. c.* p. 186 (W. Texas); *Towns. Pr. U.S. Nat. Mus.* x. p. 109 (1887: N. California); *Beckh. t. c.* pp. 637, 654 (Bexar Co., S.W. Texas); *Richm. Auk*, v. p. 20 (1888: District Columbia); *Merrill, t. c.* p. 145 (Fort Klamath); *Chapm. t. c.* p. 270 (Gainesville, Florida);

Everm. t. c. p. 349 (Indiana); *Brown, Auk*, vi. p. 69 (1889: Maine); *Scott, t. c.* p. 159 (Florida); *Hasbrouck, t. c.* p. 237 (Eastland Co., Texas); *Torrey, t. c.* p. 274 (New England, winter); *Pindar, t. c.* p. 313 (Fulton Co., Kentucky); *Thompson, Pr. U.S. Nat. Mus.* xiii. p. 506 (1890: Manitoba); *Mearns, Auk*, vii. p. 52 (1890: Arizona Mts.); *Mackay, t. c.* p. 295 (Muskeget Isl., Mass.); *Cherrie, t. c.* p. 333 (Costa Rica); *Cory, t. c.* p. 374 (Anegada Isl.), p. 375 (Virgin Gorda); *Merriam, N. Amer. Faun.* no. 3, p. 89 (1890); *id. op. cit.* no. 5, p. 92 (1891: Idaho); *Northrop, Auk*, viii. p. 76 (1891: Andros Creek); *Cory, t. c.* p. 296 (Bimini Isl., Bahamas), p. 351 (Inagua Isl.); *Scott, Auk*, ix. p. 14 (1892: Jamaica); *Cory, t. c.* p. 48 (Maraguana Isl.; Watling Isl., Bahamas); *Dwight, t. c.* p. 413 (Pennsylvanian Alleghanies); *Coombs, t. c.* p. 204 (Louisiana); *Scott, t. c.* p. 212 (Florida); *Attwater, t. c.* p. 233 (San Antonio, Texas); *Cory, t. c.* p. 272 (Cuba); *Cherrie, t. c.* p. 329 (San José, Costa Rica); *Anthony, t. c.* p. 360 (Apache, S.W. New Mexico); *Irby, Key List Brit. B.* 2nd ed. p. 48 (1892); *White, Auk*, x. p. 223 (1893: Mackinac Isl., Mich.); *Wayne, t. c.* p. 337 (Suwanee R.); *Richm. Pr. U.S. Nat. Mus.* xvi. p. 526 (1893: Nicaragua); *Lilford, Col. Fig. Brit. B.* pt. xxv. (1893); *Fisher, N. Amer. Faun.* no. 7, p. 24 (1893).

Oxyechus vociferus, *Reichenb. Grall.* p. xviii, tab. clxxii. figs. 725, 726 (1852); *Bp. C. R.* xliii. p. 417 (1856); *Gundl. Orn. Cubana*, p. 181 (1876); *Ridgw. Pr. U.S. Nat. Mus.* iii. p. 199 (1880); *Belding, Pr. U.S. Nat. Mus.* vi. p. 351 (1883: Lower California); *Nutting, t. c.* pp. 379, 390 (Nicaragua); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 148 (1884); *Drew, Auk*, ii. p. 18 (1885: Colorado); *Zeledon, Pr. U.S. Nat. Mus.* viii. p. 113 (1885: Costa Rica); *Ridgw. t. c.* p. 581 (Cozumel Isl.); *Wells, op. cit.* ix. p. 627 (1886: Grenada); *Cory, Cat. B. West Ind.* p. 95 (1892: Bahamas; Greater & Lesser Antilles).

Hiaticula vocifera, *Licht. Nomencl. Av. Mus. Berol.* p. 94 (1854).

Adult male. General colour above dark brown, the lower back, rump, and upper tail-coverts light cinnamon-rufous; lesser and median wing-coverts like the back; the greater coverts darker brown, with broad white ends, forming a distinct wing-band; bastard-wing and primary-coverts blackish, with white tips, obsolete on the latter; quills blackish, fringed with white at the ends, the long primaries white on the inner web, till near the ends, which are blackish brown; a white mark along the shaft at a short distance from the tip of the first four primaries, the rest of the primaries with a white mark before the end of the outer web; the secondaries blackish, white at the base, on the inner web, and along the tip, the white increasing on the inner secondaries, till the black decreases to a spot on the outer web, and then disappears altogether on the interior quills; long innermost secondaries like the back, the outer ones light ashy brown, dark brown along the outer web, the tip of which is white; centre tail-feathers light brown, tipped with cinnamon-rufous, before which is a broad sub-terminal shade of blackish brown; outer tail-feathers cinnamon-rufous, broadly tipped with white, with a distinct sub-terminal bar of black; crown of head dark brown, separated from the mantle by a black collar; forehead white, separated from the crown by a band of black, which reaches to the middle of the eye; a broad white

eyebrow; base of forehead black, as well as a broad streak from the base of the bill to below the eye; ear-coverts brown; a black streak from the eye along the upper edge of the ear-coverts; cheeks and throat white, extending backwards to the sides of the neck; across the fore-neck a broad black collar, united to the collar round the hind-neck; this black collar followed by a narrower one of white, and again, on the chest, by a second black collar; remainder of under surface of body, as well as the under wing-coverts and axillaries, pure white; quill-lining ashy whitish: "bill black; feet pale pinkish or pale greyish yellow; iris dark brown; eyelids orange-red or scarlet" (*Baird, Brewer, & Ridgway*). Total length 9 inches, culmen 0·95, wing 5·9, tail 3·8, tarsus 1·3.

Adult female. Similar to the male. Total length 10 inches, culmen 0·95, wing 6·5, tail 3·8, tarsus 1·35.

Adult in winter plumage. Rather browner than in summer, and not quite so grey.

Young. Differs from the adult in having sandy-rufous margins to the feathers of the upper surface.

Hab. Temperate North America, extending to Central and South America in winter.

a. Ad. sk.	North America.	J. J. Audubon, Esq. [P.].
b. Ad. sk.	North America.	Riocour Coll.
c. Ad. sk.	Hudson's Bay (*Sir G. Back*).	Arctic Land Exped.
d. Ad. sk.	New Jersey (*H. E. Dresser*).	Salvin-Godman Coll.
e. Ad. sk.	Fort Dufferin, Manitoba (*Sir G. Dawson*).	N. A. Bound. Commission.
f-k. Ad. et juv. sk.	British Columbia.	J. K. Lord, Esq. [P.].
l. Imm. sk.	Vancouver Island.	J. K. Lord, Esq. [P.].
m. ♂ juv. sk.	Umatilla Agency, Oregon, Aug. 24 (*Hensh. Coll.*).	Salvin-Godman Coll.
n. ♂ juv. sk.	Washoe Lake, Nevada (*Hensh. Coll.*).	Salvin-Godman Coll.
o. ♂ ad. sk.	Washington, D.C., March 5 (*Hensh. Coll.*).	Salvin-Godman Coll.
p. ♀ ad. sk.	Louisiana, March (*Hensh. Coll.*).	Salvin-Godman Coll.
q. ♂ ad. sk.	Ogden, Utah, July (*C. H. Merriam: Hensh. Coll.*).	Salvin-Godman Coll.
r. ♂ juv. sk.	Florida, Oct. 30 (*Hensh. Coll.*).	Salvin-Godman Coll.
s. ♂ ad. sk.	Tarpon Springs, Florida, Dec. 25 (*W. E. D. Scott*).	Salvin-Godman Coll.
t, u. Imm. sk.	Bermuda, Nov., Dec.	Capt. Savile Reid [C.].
v. ♂ ad. sk.	Fort Benton (*J. Pearsall*).	Salvin-Godman Coll.
w, x ♂ ad. sk.	Oakland, California, Dec. (*Hensh. Coll.*).	Salvin-Godman Coll.
y, z, a'. ♂ ad. et juv.; *b', c'.* ♀ ad. sk.	Ballina, San Diego Co., California, March to June (*F. Stephens*).	Salvin-Godman Coll.
d', e'. ♂ imm. sk.	San José del Cabo, Lower California (*W. Brewster: Hensh. Coll.*).	Salvin-Godman Coll.

f', *g'*, *h'*. ♂ imm.; *i'*. ♀ ad. sk.	Corpus Christi, Texas, Oct., Nov. (*F. B. Armstrong*).	Salvin-Godman Coll.
k'. ♂ ad. sk.	Kendall Co., Texas, Dec. 27.	Dr. R. B. Sharpe [P.].
l'. ♂ ad. st.	Mexico.	J. Taylor, Esq. [P.].
m'. Ad. sk.	Rio de Iglesias, Chihuahua, Dec. (*W. Lloyd*).	Salvin-Godman Coll.
n'. ♀ ad. sk.	Hermosillo, Sonora, Oct. 18 (*Ferrari-Perez*).	Salvin-Godman Coll.
o', *p'*. ♂ ad. et imm. sk.	Nuevo Leon, April, May (*F. B. Armstrong*).	Salvin-Godman Coll.
q', *r'*, *s'*. ♂ ♀ ad. sk.	Tampico, Feb. (*W. B. Richardson*).	Salvin-Godman Coll.
t', *u'*, *v'*. ♂ ♀ ad. sk.	Aldama, Tamaulipas, March (*W. B. Richardson*).	Salvin-Godman Coll.
w'. ♀ ad. sk.	Cofre de Perote, Vera Cruz, Nov. (*F. D. G.*).	Salvin-Godman Coll.
x'. Ad. sk.	Patzcuaro, Vera Cruz, Jan. (*F. D. G.*).	Salvin-Godman Coll.
y'. ♂ imm. sk.	Vega del Casadero, Vera Cruz, Dec. (*M. Trujillo*).	Salvin-Godman Coll.
z'. Ad. sk.	Oaxaca (*Boucard*).	Tweeddale Coll.
a''. ♂ ad. sk.	S. Balthazar, Puebla, Nov. 4 (*Ferrari-Perez*).	Salvin-Godman Coll.
b'', *c''*. ♂ imm. sk.	Mayorazzo, Puebla, May 14 (*Ferrari-Perez*).	Salvin-Godman Coll.
d'', *e''*. ♂ ♀ ad. sk.	Ixtapalapa, Valley of Mexico, April, July (*Ferrari-Perez*).	Salvin-Godman Coll.
f''. ♂ imm. sk.	Mexicalcingo, Valley of Mexico, Feb. 20 (*Ferrari-Perez*).	Salvin-Godman Coll.
g''. ♂ ad. sk.	Chimalpa, Valley of Mexico, March 6 (*Ferrari-Perez*).	Salvin-Godman Coll.
h'', *i''*, *k''*. ♂ ♀ imm. sk.	Calvillo, Aguas Calientes, Aug. (*W. B. Richardson*).	Salvin-Godman Coll.
l''. ♀ ad. sk.	Mazatlan, Dec. 24 (*A. Forrer*).	Salvin-Godman Coll.
m''–*n''*. ♂ ♀ ad. sk.	Zacatecas, Feb., Aug. (*W. B. Richardson*).	Salvin-Godman Coll.
q'', *r''*. ♂ ad.; ♀ imm. sk.	Jerez, Zacatecas, Sept. (*W. B. Richardson*).	Salvin-Godman Coll.
s''. ♂ ad. sk.	Calotlan, Jalisco, March (*W. B. Richardson*).	Salvin-Godman Coll.
t''. ♂ imm. sk.	Lake Chapala, Jalisco, Aug. (*W. B. Richardson*).	Salvin-Godman Coll.
u''. ♂ ad. sk.	Teapa, Feb. (*D. W. Smith*).	Salvin-Godman Coll.
v''. Ad. sk.	Peto, Yucatan (*G. F. Gaumer*).	Salvin-Godman Coll.
w''–*z''*. Ad. sk.	Cozumel Isl., Jan. (*G. F. Gaumer*).	Salvin-Godman Coll.
a^3, *b*^{3}, *c*^{3}. ♂ ♀ ad. sk.	Cayo, British Honduras (*F. Blancaneaux*).	Salvin-Godman Coll.
d^3, *e*^{3}, *f*^{3}. ♂ ♀ ad. sk.	Panajachel, Guatemala, Dec. (*W. B. Richardson*).	Salvin-Godman Coll.
g^3. ♂ ad. sk.	Atitlan, Guatemala, Dec. (*W. B. Richardson*).	Salvin-Godman Coll.
h^3. ♀ ad. sk.	San Gerónimo, Guatemala, Oct. 29 (*O. S.*).	Salvin-Godman Coll.
i^3. Ad. sk.	San José, Costa Rica (*J. Carmiol*).	Salvin-Godman Coll.

k^3, l^1. ♂ ad. sk.	Southern Slope, Volcan de Chiriqui, Panama (*E. Arcé*).	Salvin-Godman Coll.
m^1, n^1. Ad. sk.	Jamaica.	Gosse Coll.
o^1, p^1. Imm. sk.	San Cristobal, Cuba (*G. F. Gaumer*).	Salvin-Godman Coll.
q^1. Ad. sk.	St. Nevis.	W. Cottle, Esq. [P.].
r^1. ♀ ad. sk.	Medellin, U.S. Colombia (*T. K. Salmon*).	Salvin-Godman Coll.
s^1. Ad. sk.	Ecuador.	Gould Coll.
t^1. Ad. sk.	Sical, Ecuador (*Buckley*).	Salvin-Godman Coll.
u^1. ♂ ad. sk.	Tambo Valley, S.W. Peru, Oct. 25 (*H. Whitely*).	Salvin-Godman Coll.
v^1. Ad. sk.	Chili.	Berkeley James Coll.

2. Oxyechus tricollaris.

Charadrius indicus, *Lath. Ind. Orn.* ii. p. 750 (1790); *Des Murs in Lefebvre's Voy. Abyss.* p. 150 (1845: Gondar).

Charadrius tricollaris, *Vieill. N. Dict. d'Hist. Nat.* xxvii. p. 147 (1818); *Gray, Gen. B.* iii. p. 544 (1847); *Bp. C. R.* xliii. p. 417 (1856); *Layard, B. S. Afr.* p. 206 (1867: common throughout the Colony, breeding); *id. Ibis*, 1869, p. 76; *Finsch & Hartl. Vog. Ostafr.* p. 655 (1870); *Gray, Hand-l. B.* iii. p. 15, no. 10002 (1871); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1027, pl. 34. fig. 5 (1873: Samhar coast; Tigré; Amhara, westwards to Qualabat; resident between 1000 and 8000 feet); *Reichen. J. f. O.* 1877, p. 11 (Loango); *Holub & Pelz. Beitr. Orn. Südafr.* p. 240 (1882: throughout Central Africa); *Sclater, J. f. O.* 1883, p. 340; *Reichen. J. f. O.* 1887, p. 46 (Irangi); *Seebohm, Ibis*, 1887, p. 338 (mouth of Umgeni R.); *id. Geogr. Distr. Charadr.* p. 134 (1888: Table Bay, Durban); *Reichen. Jahrb. Hamburg. Wissensch. Anst.* x. p. 6 (1893: Zanzibar, Oct.); *id. Vog. Deutsch-Ostafr.* p. 34 (1894: Usagara; Ugalla R.; Tanganyika; Irangi); *Shelley, Ibis*, 1894, pp. 26, 475 (Lake Shirwa).

Charadrius bitorquatus, *Licht. Verz. Doubl.* p. 71 (1823); *Wagl. Syst. Av.*, Charadrius, p. 66, sp 30 (1827); *Less. Man. d'Orn.* ii. p. 220 (1828); *Grill, Zool. Anteckn.* p. 52 (1859).

Hiaticula tricollaris, *Gray, List Grall. Brit. Mus.* p. 69 (1844: Cape).

Hiaticula indica, *Rupp. Syst. Uebers.* p. 118 (1845: Red Sea).

Hiaticula bitorquata, *Licht. Nomencl Av. Mus. Berol.* p. 94 (1854).

Ægialitis cinereicollis, *Heugl. Syst. Uebers.* p. 56 (1856).

Ægialitis indica, *Heugl. Syst. Uebers.* p. 56 (1856).

Ægialitis tricollaris, *Kirk, Ibis*, 1864, p. 332 (Elephant Marsh, R. Shiré); *Gurney, Ibis*, 1865, p. 271 (Natal); *Schl. Mus. Pays-Bas*, Curasores, p. 24 (1865: Cape; Red Sea; Adoa); *Blanf. Geol. & Zool. Abyss.* p. 429 (1870: near Massowah); *Gurney in Anderss. B. Dam. Ld.* p. 274 (1872: Damara and Great Namaqua Lands); *Harting, P. Z. S.* 1874, p. 457, pl. lx. fig. 5; *Shelley, Ibis*, 1875, p. 85 (Cape Colony; Durban); *Sharpe & Bouvier, Bull. Soc. Zool. France*, i. p. 313 (1876: Landana); *Ayres, Ibis*, 1877, p. 348, 1880, p. 268 (Transvaal); *Bocage, Orn. Angola*, p. 433 (1881: Benguela; Quillengues; Humbe); *Sharpe in Oates's Matabele Land*, App. B, p. 326 (1881: Durban); *Butler, Feilden, & Reid, Zool.* 1882, p. 341 (throughout Natal, breeding); *Harting, Zool.* 1883, p. 417; *Sharpe, ed. Layard's B. S. Afr.* p. 602 (1884: Orange R.; Port Elizabeth; East London); *Salvad. Ann. Mus.*

Genov. (2) i. p. 218 (1884: Falls of Kora, Shoa); *Shelley, Ibis*, 1885, p. 417 (Somali); *Symonds, Ibis*, 1887, p. 334 (Kroonstadt); *Shelley, Ibis*, 1888, p. 305 (Lake Jipi); *id. P. Z. S.* 1888, p. 49 (Kibiro); *Salvad. Ann. Mus. Gen.* (2) vi. p. 309 (1888: Cialalaka; Adda, Shoa); *Souza, Jorn. Lisb.* (2) ii. p. 117 (1889: Catumbella); *Sharpe, Ibis*, 1892, p. 544 (Ukambani); *Bocage, Jorn. Lisb.* (2) 1892, p. 187 (Dahomé).

Ægialitis bitorquata, *Heugl. in Peterm. MT.* 1869, p. 417.

Adult male. General colour above uniform brown, with a bronzy gloss, the wing-coverts like the back, the inner greater coverts tipped with white; bastard-wing and primary-coverts black, with white tips to the feathers; quills brown, the primaries with narrow fringes of white at the ends, which are slightly darker brown like the outer webs, the shafts brown; secondaries dark brown, with broader white tips, increasing on the innermost till they occupy one quarter of the feather; the innermost secondaries like the back; centre tail-feathers light brown, the rest brown at base, with a broad white tip, before which is a black sub-terminal bar; the two outer feathers pure white, with a sub-terminal bar of black, not extending on to the outer web of the outermost feather; crown of head like the back; forehead white, as well as a narrow eyebrow, which extends backwards and encircles the hind-neck; below this is a second collar of ashy brown, followed by a band of black, and again by a second collar of white, which is interrupted by black in the centre, so that the collar is not complete; cheeks, sides of face, and ear-coverts light ashy grey, the latter a little browner; throat ashy white, followed by a black band on the lower throat, continuous with the black collar on the hind-neck; this is followed by a broad white collar, which is continuous with the one on the upper mantle; this white band is succeeded by a broad band of black across the chest; the whole of the rest of the under surface of the body pure white, including the under wing-coverts and axillaries; the edge of the wing mottled with blackish bases to the feathers; lower greater coverts and quill-lining ashy: "bill bluish black, pale salmon-colour at the base of the lower mandible; feet straw-yellow, with a tinge of blue throughout, deepest on the joints; iris very dark brown; eye bright brick-red" (*C. J. Andersson*). Total length 7·2 inches, culmen 0·7, wing 4·45, tail 2·5, tarsus 0·8.

Adult female. Differs from the male in not having the white collar so distinct on the nape, and the upper of the two black bands on the throat narrower: "bill flesh-colour at base, black at tip; feet brownish flesh-colour; iris light brown; eyelid bright scarlet" (*G. Savile Reid*). Total length 6·5 inches, culmen 0·7, wing 4·4, tail 2·35, tarsus 0·85.

Hab. South Africa, extending to the Congo on the west, if the specimens from Landana have been properly identified, and were not *O. forbesi*. Throughout East Africa to Bogos-land.

a. Ad. sk.	Cape Colony (*E. L. Layard*).	Salvin-Godman Coll.
b, c. ♂ ♀ ad. sk.	Paarl, Cape Colony, Jan. 23 (*G. E. Shelley*).	Seebohm Coll.

d, *e*. Ad. sk.	Kingwilliamstown.	Major Trevelyan [P.].
f. ♂ ad. sk.	Orange River.	Dr. Bradshaw [C.].
g. Ad. sk.	Natal (*Ayres*).	Seebohm Coll.
h. Ad. sk.	Natal.	Dr. Gueinzius [C.].
i, *k*, *l*. Ad. sk.	Durban, Natal.	Seebohm Coll.
m. ♀ ad. sk.	Ingagani River, Natal, June 25.	Capt. Savile Reid [C.].
n. ♀ ad. sk.	Newcastle, May 14.	Capt. Savile Reid [C.].
o. ♀ ad. sk.	Kroonstadt, Orange Free State, Nov. 27 (*F. Symonds*).	Gurney Coll.
p. ♂ ad. sk.	Transvaal.	Dr. R. B. Sharpe [P.].
q. ♀ ad. sk.	Transvaal.	A. Foresman, Esq. [P.].
r. ♂ ad. sk.	Transvaal, Dec. 9 (*T. E. Buckley*).	Shelley Coll.
s, *t*, *u*. ♂ ♀ ad. sk.	Otjimbinque, Damara-land, June, Sept. (*C. J. Anderson*).	Seebohm Coll.
v. ♀ ad. sk.	Otjimbinque, Nov. (*C. J. Andersson*).	Tweeddale Coll.
w. Ad. sk.	Zambesi (*Dr. Meller*).	Tweeddale Coll.
x a'. Ad. sk.	Tete, Zambesi (*Sir J. Kirk*).	Livingstone Exped.
b'. Ad. sk.	Tschirmo, Nyasa-land, Sept. (*A. Whyte*).	H. H. Johnston, Esq. C.B. [P.].
c'. ♀ ad. sk.	Lake Shirwa, Nyasa-land, May 5 (*A. Whyte*).	H. H. Johnston, Esq. C.B. [P.].
d', *e'*. ♂ ♀ ad. sk.	Lamu, Sept. 26.	F. J. Jackson, Esq. [P.].
f', *g'*, *h'*. ♀ ad. sk.	Kibiro, Equatorial Africa, May.	Emin Pasha [P.].
i', *k'*. ♂ ♀ ad. sk.	Ailat, Bogos-land, June.	W. T. Blanford, Esq. [C.].
l', *m'*, *n'*. ♂ ad. sk.	Ailat, June (*W. Jesse*).	Tweeddale & Salvin-Godman Colls.

3. Oxyechus bifrontatus.

Ægialitis tricollaris (*nec Vieill.*), *Licht. Nomencl. Av. Mus. Berol.* p. 14 (1854); *Bartlett*, *P. Z. S.* 1876, p. 67; *Sibree*, *Ibis*, 1892, p. 115.

Charadrius tricollaris (*nec Vieill.*), *Hartl. Faun. Madag.* p. 72 (1861); *Grand. Rev. et Mag. de Zool.* 1867, p. 419; *Hartl. Vög. Madag.* p. 280 (1877).

Charadrius bifrontatus, *Cab. Orn. Centralbl.* 1882, p. 14; *id. J. f. O.* 1882, p. 112; *Milne-Edwards & Grandidier*, *N. H. Madag., Ois.* p. 510 (1882); *Cab. J. f. O.* 1885, pl. vi. fig. 5; *Seebohm*, *Geogr. Distr. Charadr.* p. 137 (1888).

Adult. Similar to *O. tricollaris*, but having only one bar on the outer tail-feather; base of forehead grey, succeeded by a white band, which is united to the white eyebrow and continued to the hind-neck; chin and throat ashy grey.

Hab. Madagascar.

4. Oxyechus forbesi.

? Le Petit Pluvier des Indes, *Briss. Orn.* 8vo, ii. p. 234 (1763).
? Indian Plover, *Lath. Gen. Syn. Suppl.* i. p. 254 (1787).
Ægialitis tricollaris (*nec Vieill.*), *Hartl. Orn. West-Afr.* p. 216 (1857; Elmina; Gaboon); *id. J. f. O.* 1861, p. 269 (Bissao); *Shelley & Buckley, Ibis*, 1872, p. 293 (Cape Coast); *W. A. Forbes, Ibis*, 1883, p. 526 (Shonga).
Ægialitis indica, *Schl. Mus. Pays-Bas*, Cursores, p. 25 (1865: Nepal, error); *Shelley, Ibis*, 1875, p. 382 (Fantee).
Ægialitis forbesi, *Shelley, Ibis*, 1883, p. 560, pl. xiv.
Ægialitis nigris, *Harting, Zool.* 1883, p. 418.
Charadrius forbesi, *Seebohm, Geogr. Distr. Charadr.* p. 136 (1888).

Adult female (type of species). Similar to *O. tricollaris*, but larger; forehead brown, with only a small whitish spot on the lores; sides of face brown, as also the throat, the chin alone being ashy whitish; the bands on the breast brown instead of black, the white intermediate collar not continued round to the mantle; the eyebrow and collar round the nape buffy white, not very distinct. The best characteristic, however, lies in the outer tail-feathers, which have three or four black bars: "bill black, pink at base; feet very pale pink; iris grey-brown; a broad scarlet eyelid" (*W. A. Forbes*): clear pink (*G. E. Shelley*). Total length 8·4 inches, culmen 0·7, wing 5, tail 2·7, tarsus 1·2.

Hab. West Africa from Senegambia to Gaboon.

a. Ad. sk.	Cape Coast Castle, Feb. 2 (*T. E. Buckley*).	Shelley Coll.	
b. Ad. sk.	Shonga, River Niger, Dec. (*W. A. Forbes*).	Forbes Coll.	(Type of species.)

31. ÆGIALEUS.

Type.
Ægialeus, *Reichenb. Av. Syst. Nat.* p. xviii (1852). *Æ. semipalmatus.*

Range. North America, wintering in South America.

1. Ægialeus semipalmatus.

Tringa hiaticula, *Wilson, Amer. Orn.* vii. p. 65, pl. 59. fig. 3 (1813).
Charadrius semipalmatus, *Bp. Obs. Wilson*, 1825, no. 219; *Kaup, Isis*, 1825, p. 1376, pl. 14; *Audub. B. Amer.* pl. 330 (c. 1826); *Wagl. Syst. Av.*, Charadrius, p. 63, sp. 23 (1827); *Swains. Faun. Bor.-Amer., Birds*, p. 367 (1831: Hayes River, lat. 57° N.); *Jard. ed. Wilson's Amer. Orn.* ii. p. 355 (1832); *Nutt. Man.* ii. p. 24 (1834); *Audub. Orn. Biogr.* iv. p. 256 (1838), v. p. 579 (1839); *id. B. Amer.* 8vo, v. p. 218, pl. 320 (1842); *Lembeye, Av. Cuba*, p. 107 (1850); *Brewer, Proc. Bost. Soc. N. H.* vii. p. 308 (1860: Cuba); *Thienem. Abbild. Vogeleiern*, Taf. lix. (1856); *Schl. Mus. Pays-Bas*, Cursores, p. 30 (1865: Labrador); *Léot. Ois. Trinid.* p. 392 (1866); *Sundev. Œfv. K. Vet.-Akad. Förh.* 1869, p. 588 (S. Bartholomew), p. 602 (Porto Rico); *Finsch, P. Z. S.* 1870, p. 588 (Trinidad); *Gray, Hand-l. B.* iii. p. 16, no. 10009 (1871); *Seebohm, Geogr. Distr. Charadr.* p. 123 (1888).

Charadrius hiaticula (*nec L.*), *Ord, ed. Wilson Amer. Orn.* vii. p. 69 (1814); *Sabine in Frankl. Narr. Journ. Polar Sea*, App. p. 684 (1823); *Rich. in Parry's Second Voy.*, Suppl. p. 351 (1824).

Ægialitis semipalmatus, *Bp. Comp. List B. Eur. & N. Amer.* p. 45 (1838); *Gosse, B. Jamaica*, p. 333 (1847); *Reichenb. Grall. Novit.* Taf. 173. figs. 2844–45 (1851); *Cab. J. f. O.* 1856, p. 425; *Cass. in Baird's B. N. Amer.* p. 694 (1858: Puget Sound); *Bryant, Proc. Bost. Soc. N. H.* vii. p. 121 (1859: Bahamas, May); *March, Proc. Philad. Acad.* 1864, p. 66 (Jamaica); *Dresser, Ibis*, 1866, p. 347 (Texas, winter); *Salvin, t. c.* p. 197 (Guatemala); *Lawr. Ann. & Lyc. N. Y.* viii. p. 100 (1866: Sombrero Isl.), ix. p. 238 (1868: Puna Isl.); *Scl. & Salv. P. Z. S.* 1867, p. 591 (Mexiana); *Dall & Bann. Tr. Chic. Acad.* i. p. 200 (1869: Nulato; St. Michael's; mouth of Yukon); *Scl. & Salv. P. Z. S.* 1870, p. 323 (Indefatigable Isl.); *Pelz. Orn. Bras.* pp. 297, 455 (1871: Sapitiba, Feb.; Restinga, March; Paranagua, Dec.; Cajutuba, April); *Allen, Bull. Harv. Coll.* ii. p. 355 (1871); *Coues, Key N. Amer. B.* p. 244 (1872); *Scl. & Salv. Nomencl. Av. Neotr.* p. 143 (1873); *Snow, B. Kansas*, p. 9 (1873); *Coues, B. N.-West*, p. 453 (1874); *Lawr. Mem. Bost. Soc. N. H.* ii. p. 307 (1874: Mazatlan; Tres Marias Isl.); *Salvin, Trans. Zool. Soc.* ix. p. 501 (1875); *Scl. P. Z. S.* 1876, p. 14 (St. Lucia); *Gundl. Orn. Cuba.* p. 182 (1876); *Lawr. Bull. U.S. Nat. Mus.* iv. p. 46 (1876: Tehuantepec, Aug., Feb.); *Reid, Zool.* 1877, p. 475 (Bermudas); *Tacz. P. Z. S.* 1877, p. 660 (Corillos); *Lawr. Proc. U.S. Nat. Mus.* i. p. 197 (St. Vincent), p. 241 (Antigua); *Belding, t. c.* p. 395 (C. California); *Lawr. t. c.* p. 461 (Guadeloupe), p. 488 (Barbuda); *Allen, Bull. Nutt. Orn. Club*, v. p. 169 (1880: S. Lucia); *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 198 (1880); *A. & E. Newt. Handb. Jamaica*, p. 115 (1881); *Coues, Check-list N. Amer. B.* p. 97 (1882); *Zeledon, Cat. Aves Costa Rica*, p. 30 (1882); *Belding, Proc. U.S. Nat. Mus.* v. p. 528 (1882: St. Quentin Bay, L. California); *Nelson, Cruise R.S. 'Corwin,'* p. 84 (1883: both shores of Bering Sea to Point Barrow; coast of N.E. Asia; Norton Sound; St. Lawrence Isl.); *Salvin, P. Z. S.* 1883, p. 422 (Paracas Bay; Coquimbo; Chili); *Stearns, Proc. U.S. Nat. Mus.* vi. p. 119 (1883: Labrador); *Belding, Proc. U.S. Nat. Mus.* vi. p. 351 (1883: Lower California); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 154 (1884); *Tristr. Ibis*, 1884, p. 108 (S. Domingo); *Coues, Key N. Amer. B.* 2nd ed. p. 602 (1884); *Ridgw. Proc. U.S. Nat. Mus.* vii. p. 177 (1884: Sabanilla, near Granada); *Cory, B. S. Domingo*, p. 144 (1885: winter); *Zeledon, Proc. U.S. Nat. Mus.* viii. p. 113 (1885: Costa Rica); *Turner, t. c.* p. 246 (Ungava); *Murdoch, Auk*, ii. p. 201 (1885: Point Barrow); *Nelson, t. c.* p. 241; *Agersb. t. c.* p. 285 (S.E. Dakota); *Tacz. & Berl. P. Z. S.* 1885, p. 119 (Puna, Ecuador); *Tacz. Orn. Pérou*, iii. p. 345 (1886); *A. O. U. Check-l. N. Amer. B.* p. 102 (1886); *Scott, Auk*, iii. p. 387 (1886: Tucson, Arizona); *Cory, t. c.* p. 502 (Grand Cayman); *Salvin, Ibis*, 1886, p. 178 (British Guiana); *Wells, Proc. U.S. Nat. Mus.* ix. p. 627 (1886: Granada); *Turner, Contr. Nat. Hist. Alaska*, p. 150 (1886: St. Michael's, Oct.); *Nelson, Rep. Nat. Hist. Coll. Alaska, Birds*, p. 126 (1887: Nulato; Yukon R.); *Ridgw. Mon. N. Amer. B.* p. 176 (1887); *Townsend, Auk*, iv. p. 12 (1887: Alaska); *Cooper, t. c.* p. 91 (Ventura Co., Cal.); *Scott, t. c.* p. 219 (Florida); *Beckh. Proc. U.S. Nat. Mus.* x. pp. 637, 642, 654 (1887: Bexar Co., Texas); *Salvin, Ibis*, 1889, p. 379 (Cozumel

Isl.); *Feilden*, *t. c.* p. 491 (Barbados); *Cory*, *B. West Indies*, p. 229 (1889); *id. Auk*, vi. p. 32 (1889: Cayman Brac); *Bishop*, *t. c.* p. 147 (Magdalen Isl.); *Scott*, *t. c.* p. 159 (Gulf Coast of Florida); *Ridgw. Proc U.S. Nat. Mus.* xii. pp. 120, 123, 127 (1889: Indefatigable Isl.), p. 138 (Abrolhos Isl.); *Palmer*, *Proc. U.S. Nat. Mus.* xiii. p. 260 (1890: Mingan Isl.); *Thomps. t. c.* p. 507 (Manitoba); *Scott*, *Auk*, vii. p. 309 (1890: Dry Tortugas); *Clarke*, *t. c.* p. 321 (Hudson's Bay); *Cory*, *t. c.* p. 374 (Anegada); *id. B. Bahamas*, p. 148 (1890); *Macfarl. Proc. U.S. Nat. Mus.* xiv. p. 430 (1891: Anderson River, breeding); *Cory*, *Auk*, viii. p. 48 (1891: Guadeloupe); *Allen*, *t. c.* p. 165 (Bras d'Or region); *Gundl. t. c.* p. 190 (Cuba); *Cory*, *t. c.* p. 298 (Abaco), p. 351 (Inagua); *Berl. & Stolz. P. Z. S.* 1892, p. 305 (Ancon, Peru); *Cory*, *Cat. B. West Indies*, p. 95 (1892: Bahamas; Greater and Lesser Antilles); *Scott*, *Auk*, ix. p. 15 (1892: Jamaica), p. 212 (Florida); *Lawr. t. c.* p. 354 (Gray's Harbour, Washington Terr.); *Hasbrouck*, *Auk*, x. p. 92 (1893: Distr. Columbia).

Charadrius brevirostris, *Neuwied*, *Beitr. Naturg. Bras.* iv. p. 769 (1833); *Tschudi & Cab. Faun. Peruan.*, Aves, pp. 49, 296 (1845–46); *Cab. in Schomb. Reis. Guian.* iii. p. 750 (1848); *Burm. Th. Bras.* iii. p. 359 (1856: Central Brazil, especially on the coast).

Hiaticula semipalmata, *Gould in Darwin's Voy. 'Beagle,' Birds*, p. 128 (1841: Galapagos); *Gray*, *List Grall. Brit. Mus.* p. 70 (1844: Rio de Janeiro); *id. Gen. B.* iii. p. 544 (1847).

Ægialeus semipalmatus, *Reichenb. Av. Syst. Nat.* p. xviii (1852) *Bp. C. R.* xlii. p. 417 (1856); *Gundl. J. f. O.* 1875, p. 335; *Heine & Reichen. Nomencl. Mus. Hein.* p. 336 (1890: Labrador).

Charadrius hiaticula, var. semipalmatus, *Ridgw. Ann. Lyc. N. Y.* x. p. 383 (1874: Illinois).

Adult male. General colour above pale brown; wing-coverts like the back, the greater series tipped with white, forming a wing-bar; bastard-wing, primary-coverts, and quills brown, the primaries blackish along the outer web and round the tip; the shafts white, the white increasing on the inner primaries and occupying the basal part of the outer web; the inner webs of the primaries whitish from the base upwards; the secondaries narrowly fringed with white at the ends, the inner ones white externally, but none entirely white, the innermost secondaries brown like the back: tail-feathers light brown, tipped with white, with a sub-terminal bar of black; the penultimate feather white at the tip and on the outer web, and the external feather entirely white; crown of head and nape light brown; across the forehead a broad band of white; a line of black across the base of the forehead joining the lores and the black coronal band; the feathers below the eye and ear-coverts black, with a small white line above the latter; a small white spot below the eye; cheeks and throat white, as well as the sides of neck and a collar round the latter, followed by a narrow black collar across the upper mantle and joining a broad collar across the fore-neck, which widens out into a patch on the sides of the chest; remainder of under surface of body, including the under wing-coverts and axillaries, pure white; edge of wing mottled with ashy-brown bases to the feathers; lower primary-coverts and quill-lining light ashy brown: "bill black, the basal half rich

orange; feet pale flesh-colour, claws black; iris deep hazel" (*J. J. Audubon*). Total length 6·5 inches, culmen 0·55, wing 4·75, tail 2·1, tarsus 0·95.

Adult female. Similar to the male in colour, but with the facial markings not quite so strong, the ear-coverts brownish black, and the sides of the præ-pectoral collar mixed with brown. Total length 6·5 inches, culmen 0·55, wing 5, tail 2·15, tarsus 0·9.

Young. Similar to the adults, but easily distinguished by the narrow whitish edgings to the feathers, and by the absence of the black frontal bands, only the white band being present and extending in a narrow line over the eye; ear-coverts and præ-pectoral band brown; the nape also surrounded by an indistinct shade of dusky, of which colour a similar trace is perceptible on the upper mantle, below the white collar.

Hab. North America generally, from the Arctic regions and Greenland, wintering in Central and South America.

a. Imm. sk.	Greenland.	Seebohm Coll.
b, c. Ad. sk.	N.W. America.	Capt. Collinson [P.].
d. ♀ ad. sk.	Horton River, Arctic America, June 29.	Salvin-Godman Coll.
e. Juv. sk.	St. Michael's, Alaska, July (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
f. ♀ imm. sk.	Fort Simpson, July.	B. R. Ross, Esq. [P.].
g. Ad. sk.	Repulse Bay.	Dr. Rae [P.].
h, i. ♂ ad. sk.	Hudson's Bay, May.	Gould Coll.
j. Pull. sk.	James Bay, Hudson's Bay Terr. (*C. Drexler*: *Hensh. Coll.*).	Salvin-Godman Coll.
k, l. Ad. et pull. sk.	Digger Isl., Hudson's Bay, July (*A. H. Markham*).	Colonel Feilden [P.].
m, n. ♂ ♀ ad.; *o.* Pull. sk.	Fort Chimo, Ungava, June, July (*L. M. Turner*: *Hensh. Coll.*).	Salvin-Godman Coll.
p–t. ♂ ♀ ad. et imm. sk.	Long Island, New York, Aug. (*Hensh. Coll.*).	Salvin-Godman Coll.
u. ♀ ad. sk.	Ipswich, Mass., May (*Maynard*).	Seebohm Coll.
v. Ad. sk.	Washington, D.C., June (*C. Dresser*).	Salvin-Godman Coll.
w. Ad. sk.	Florida.	Seebohm Coll.
x, y, z. ♂ ♀ ad. sk.	Florida, Aug. (*W. Hoxie*: *Hensh. Coll.*).	Salvin-Godman Coll.
a'. ♀ ad. sk.	Cedar Keys, Florida, Nov. (*Hensh. Coll.*).	Salvin-Godman Coll.
b', c', d'. ♂ ♂ ♀ ad. sk.	Brownsville, Texas, April, May (*F. B. Armstrong*).	Salvin-Godman Coll.
e', f'. ♂ ♀ ad. sk.	Corpus Christi, Texas, Nov. (*F. B. Armstrong*).	Salvin-Godman Coll.
g'. Ad. sk.	California.	Seebohm Coll.
h'. ♂ ad. sk.	Oakland, California.	Seebohm Coll.
i', k'. ♂ ♀ ad. sk.	San José del Cabo, Lower California, Sept. (*Hensh. Coll.*).	Salvin-Godman Coll.

l'. ♀ ad. sk.	Tres Marias Islands, March 14 (*A. Forrer*).	Salvin-Godman Coll.
m'. Ad. sk.	Cozumel Isl. (*G. F. Gaumer*).	Salvin-Godman Coll.
n'–p'. Ad. sk.	Chiapam, Guatemala, Jan. (*O. S.*).	Salvin-Godman Coll.
q'–s'. ♂ ♀ ad. et imm. sk.	Grenada, West Indies, March, Sept., Oct. (*D. W. Smith*).	Salvin-Godman Coll.
t'. ♀ imm. sk.	St. Vincent, Sept. 2 (*D. W. Smith*).	Salvin-Godman Coll.
u'. Imm. sk.	Santa Lucia (*Semper*).	Salvin-Godman Coll.
v'. ♂ ad. sk.	Anegada, Dec. 20 (*C. S. Wynch*).	Salvin-Godman Coll.
w'. ♂ ad. sk.	Guadeloupe, Sept. 6 (*C. S. Wynch*).	Salvin-Godman Coll.
x'. Imm. sk.	Barbados.	Sir R. Schomburgk [C.].
y', *z'*. ♀ ad. sk.	Cartagena, U.S. Colombia.	Capt. Milner [P.].
a''–c''. Ad. sk.	Trinidad.	Old Coll.
a''. Imm. sk.	Cayenne.	Seebohm Coll.
e''. Ad. sk.	Island of Mexiana, Dec. (*A. R. Wallace*).	Salvin-Godman Coll.
f''. Ad. sk.	Pernambuco (*W. A. Forbes*).	Salvin-Godman Coll.
g''–k''. Ad. sk.	Bahia (*Dr. Wucherer*).	Salvin-Godman Coll.
l''. Ad. sk.	Rio de Janeiro.	Sir W. Burnett & Capt. Fitzroy [P.].
m''. ♀ ad. sk.	Paranagua, Brazil, Dec. 12 (*J. Natterer*).	Salvin-Godman Coll.
n''. ♂ ad. sk.	Coquimbo Lagoon, Chili, Nov. (*A. H. Markham*).	Salvin-Godman Coll.
o''. Ad. sk.	Coquimbo, June (*Dr. Coppinger*).	Voy. H.M.S. 'Alert.'
p''. ♂ imm. sk.	Paracas Bay, Peru, Oct. (*A. H. Markham*).	Salvin-Godman Coll.
q''–s''. Imm. sk.	Indefatigable Isl., Galapagos, Sept., Oct. (*Dr. Habel*).	Salvin-Godman Coll.

32. ÆGIALITIS.

	Type.
Ægialitis, *Boie*, *Isis*, 1822, p. 553	Æ. hiaticola.
Leucopolius, *Bp. C. R.* xliii. p. 417 (1856)	Æ. marginata.
Ægialophilus, *Gould*, *Handb. B. Austr.* ii. p. 234 (1865).....	Æ. alexandrina.

Range. Almost cosmopolitan.

Key to the Species.

a. Throat white.
  a'. No black on the mantle, or, when present, the black *not* continuous with the black ear-coverts.
    a''. A black streak from the base of the bill to the eye.
      a'''. A distinct white collar round the hind-neck.
        a^4. A black band on the fore-neck.
          a^5. Both mandibles bright orange-yellow at base ..... *hiaticola*, p. 256.

b^1. Bill black, or with a little yellow at the base of the lower mandible only.
c^6. Shafts of primaries dark, excepting the first, which may be partly or entirely white.
d^7. Larger; wing 5·5–5·6 inches: outer primary with the shaft whity brown before the end ..... *placida*, p. 262.
b^7. Smaller; wing 4·6 inches: outer primary with the shaft entirely pure white . *dubia*, p. 263.
b^6. Shafts of all the quills white; ear-coverts whitish, black along the upper margin; a black collar, often interrupted, on the fore-neck ..... *peronii*, p. 273.
b^4. No black band on the fore-neck; crown of head rufous, the nape also of this colour, followed by a white collar, which is sometimes accompanied by a line of black .. *alexandrina*, p. 275.
b'''. No white collar round the hind-neck.
c^4. No black collar on the fore-neck.
c^5. Ear-coverts with a line of black along their upper margin, not extending down the sides of the neck; hinder crown rufous; feet pale.
c^8. With white inner secondaries adjoining the long innermost ones ..... *marginata*, p. 282.
d^8. With the inner secondaries brown, like the others.
c^7. Breast shaded with rufescent buff, a shade of white is on the sides of the neck ..... *pallida*, p. 284.
d^7. Breast with a rufous band, continued along the sides of the neck to the eyebrow. *venusta*, p. 286.
d^5. Ear-coverts with a black line along the upper margin, continued in a line down the sides of the neck; hinder crown, neck, and mantle rufous; feet black. *ruficapilla*, p. 286.
d^4. A black collar on the fore-neck; no black or white collars on the hind-neck ..... *collaris*, p. 288.
b''. No black streak from the base of the bill to the eye, the lores perfectly white.
c'''. Band on fore-neck either absent or only a single one.

e^3. White frontal band broad, but not reaching beyond the anterior line of the eye.

e^5. Feet and toes yellow; inner secondaries pure white; a white collar on the hind-neck; no black streak on ear-coverts.... *meloda*, p. 292.

f^5. Feet dingy yellowish, toes black; inner secondaries smoky brown on the inner web, externally white..... *nivosa*, p. 290.

g^5. Feet and toes black; a broad black band on the ear-coverts, continuous with the black band on the crown ..... *occidentalis*, p. 295.

f^4. White frontal band very broad and reaching to line of centre of eye; inner secondaries entirely white; a black bar above and behind ear-coverts, continuous with black band on head ..... *marginata* hiem., [p. 282.

d'''. A double black band on the under surface, one across the fore-neck, and another across the chest; feet black ..... *falklandica*, p. 295.

b'. Black of upper mantle united to the black ear-coverts, the white collar on the hind-neck being thus separated from the white of the sides of the neck and underparts by a complete band of black.

c''. Scapulars brown; no black band on the fore-neck.

e'''. Smaller: secondaries reaching to about the level of the primary-coverts; primaries with white shafts, excepting on the third, which is always blackish ..... *pecuaria*, p. 297.

f'''. Larger: secondaries reaching to about an inch beyond the level of the primary-coverts; first primaries only with white shafts ..... *sanctæ-helenæ*, p. 299.

d''. Scapulars vinous chestnut; a broad band of black on the fore-neck, extending down the centre of the chest. *melanops*, p. 300.

b. Throat black, like the crown and sides of face ..... *cucullatus*, p. 302.

1. Ægialitis hiaticola.

The Ringed Plover.

The Sea Lark, *Albin, Nat. Hist. B.* i. p. 76, pl. 80 (1738).

Le Pluvier à collier, *Briss. Orn.* v. p. 60, pl. v. fig. 1 (1760); *D'Aubent. Pl. Enl.* ix. pl. 920; *Buff. Hist. Nat. Ois.* viii. pl. 90 (1781).

Le Petit Pluvier à collier, *Briss. Orn.* v. p. 63, pl. v. fig. 2 (1760).

Charadrius hiaticula, *Linn. Syst. Nat.* i. p. 253 (1766); *Gm. Syst. Nat.* i. p. 683 (1788); *Pall. Zoogr. Rosso-Asiat.* ii. p. 145 (1811);

Vieill. N. Dict. d'Hist. Nat. xxvii. p. 139 (1818); *Roux, Orn. Prov.* pl. 275 (1825); *Wagl. Syst. Av.*, Charadrius, p. 31, sp. 21 (1827); *Werner, Atlas, Coureurs*, pl. 6 (1827); *Naum. Vög. Deutschl.* vii. Taf. 175 (1834); *Gould, B. Eur.* iv. pl. 296 (1837); *Macgill. Man. Brit. B.* ii. p. 52 (1840); *Crespon, Orn. Gard*, p. 301 (1840); *Nordm. in Démid. Voy. Russ. Mérid.* iii. p. 233 (1840: S. Russia); *Selys-Longch. Faun. Belg.* p. 120 (1842); *Schl. Rev. Crit.* p. lxxxiii (1844); *Hewits. Eggs Brit. B.* ii. p. 255, pl. 69. figs. 1, 2 (1846); *Gray, Gen. B.* iii. p. 544 (1847); *Thienem. Abbild. Vogeleiern*, Taf. lix. (1845-56); *Thomps. B. Irel.* ii. p. 96 (1850); *Macgill. Brit. B.* iv. p. 116 (1850); *Middend. Reis. Sibir., Zool.* p. 213 (1851: Taimyr R., 74° N. lat.; Boganida R.); *Kjærb. Danm. Fugle*, pl. 30. fig. 2 (1852); *Schl. Vog. Nederl.* pl. 213 (1854); *Brehm, Naum.* 1855, p. 288; *Bp. C. R.* xliii. p. 417 (1856); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 446 (1859); *Sundev. Sv. Fogl.* pl. 37. fig. 2 (1856–72); *Rowley, Ibis*, 1860, p. 101 (Brighton; small race); *Schl. Dier. Nederl. Vogels*, pl. 21. figs. 5, 6 (1861); *Malmgr. Œfv. K. Vet.-Akad. Förh. Stockh.* 1863, p. 100 (Spitsbergen); *Schl. Mus. Pays-Bas*, Cursores, p. 26 (1865); *Layard, B. S. Afr.* p. 208 (1867); *Hartl. P. Z. S.* 1867, p. 827; *Degl. & Gerbe, Orn. Eur.* ii. p. 134 (1867); *Loche, Expl. Sci. Algér., Ois.* ii. p. 266 (1867); *Stevens. B. Norf.* ii. p. 84 (1870); *Fritsch, Vög. Eur.* tab. 33. fig. 1 (1870); *Finsch & Hartl. Vög. Ostafr.* p. 657 (1870); *Gray, Hand-l. B.* iii. p. 15, no. 9908 (1871); *R. Gray, B. West Scotl.* p. 258 (1871); *Heugl. Orn. N.O.-Afr.* ii., Abth. i. p. 1026 (1873: Nile Valley to Upper Kir district; Tana Lake; Abyssinia; Qualabat and Sarago; Red Sea in May and June, breeding); *Sarby, B. Shetl.* p. 162 (1874); *Sundev. Œfv. K. Vet.-Akad. Förh. Stockh.* 1874, p. 21 (Seven Isl., 81½° N. lat.); *Fallon, Ois. Belg.* p. 151 (1875); *Fischer, J. f. O.* 1877, p. 180; *Fischer & Reichen. J. f. O.* 1878, p. 248 (Zanzibar; Formosa Bay); *Fischer, t. c.* p. 296; *Finsch, Verh. z.-b. Ges. Wien*, xxix. p. 245 (1879: Schtschutschja; Little Ob; Obdorsk); *Böhm, J. f. O.* 1882, p. 184 (Zanzibar); *Booth, Rough Notes*, vol. ii. (1883); *Buttik. Notes Leyd. Mus.* vii. p. 327 (1885: Liberia), xi. p. 136 (1889); *Reichen. J. f. O.* 1887, p. 47 (Kagehi); *Matschie, t. c.* p. 138 (Karema, March); *Seebohm, Geogr. Distr. Charadr.* p. 125 (1888); *Reichen. Syst. Verz. Vög. Deutschl.* p. 51 (1889); *Hartl. Abhandl. nat. Ver. Bremen*, xii. p. 43 (1891: Bagamojo; Tunguru); *Seebohm, Ibis*, 1892, p. 23 (Heligoland, spring and autumn); *Reichen. J. f. O.* 1892, p. 7 (Bukoba); *Emin, t. c.* p. 345.

Charadrius ægyptius, *Linn. Syst. Nat.* i. p. 254 (1766); *Gm. Syst. Nat.* i. p. 684 (1788); *Vieill. N. Dict. d'Hist. Nat.* xxvii. p. 139 (1818).

Ringed Plover, *Lath. Gen. Syn.* iii. pt. 1, p. 201 (1785); *Farrell, Brit. B.* ii. p. 401 (1843).

Charadrius hiaticola, *Temm. Man. d'Orn.* p. 328 (1815), 2nd ed. ii. p. 539 (1820); *Reichen. J. f. O.* 1880, p. 625 (Zanzibar); *Olphe-Gall. Contr. Faun. Orn. Eur. Occid.* fasc. xiii. p. 30 (1890: Novaya Zemlya; N. Russia and Siberia, south to 55° 55′ N. lat.); *Schalow, J. f. O.* 1891, p. 250 (Sitcha Isl.); *Reichen. Jahrb. Hamburg. Wissensch. Anst.* x. p. 6 (1893: Zanzibar); *id. Vog. Deutsch-Ostafr.* p. 34 (1894: Kagehi; Bukoba).

Charadrius torquata, *Leach, Syst. Cat. Mamm. &c. Brit. Mus.* p. 28 (1816).

Ægialitis hiaticula, *Boie, Isis*, 1822, p. 558; *Bp. Comp. List B. Eur. & N. Amer.* p. 45 (1838); *Keys. & Blas. Wirb. Eur.* p. 209 (1840);

Heugl. Syst. Uebers. p. 56 (1856); *Gurney, Ibis*, 1860, p. 218 (Natal); *Newton in Baring-Gould's Iceland*, p. 411 (1863); *Gray, List Brit. B.* p. 140 (1863); *Gigl. Ibis*, 1865, p. 59 (Pisa); *Wright, t. c.* p. 465 (Malta); *Newton, t. c.* p. 504 (Spitsbergen); *Gould, Handb. B. Austr.* ii. p. 231 (1865); *Blyth, Ibis*, 1867, p. 165; *Gurney, Ibis*, 1868, p. 255 (S. Africa); *Tristr. t. c.* p. 323 (Palestine); *Borggr. Vogelf. Norddeutschl.* p. 111 (1869); *Doderl. Avif. Sicil.* p. 176 (1869); *Cab. in Von der Decken, Reis.* iii. p. 46 (1869); *Gillett, Ibis*, 1870, p. 306 (Novaya Zemlya); *Elwes & Buckley, t. c.* p. 330 (Turkey); *Saunders, Ibis*, 1871, p. 386 (S. Spain); *Salvad. Faun. Ital., Ucc.* p. 205 (1871); *Harting, Handb. Brit. B.* p. 44 (1872); *Feilden, Zool.* 1872, p. 3245 (Færoes); *Heugl. Ibis*, 1872, p. 62 (Novaya Zemlya, breeding); *Gurney in Anderss. B. Dam. Ld.* p. 276 (1872: Walvisch Bay); *Gould, B. Gt. Brit.* iv. pl. 41 (1873); *Severtz. Turkest. Jevotn.* p. 69 (1873: breeding rarely); *Alston & Harvie-Brown, Ibis*, 1873, p. 67 (Archangel); *Brooke, t. c.* p. 337 (Sardinia); *Tacz. J. f. O.* 1873, p. 101 (Kultuk), 1874, p. 336; *Durnf. Ibis*, 1874, p. 398 (N. Frisian Isl.); *Irby, Orn. Straits Gibr.* p. 161 (1875); *Shelley, Ibis*, 1875, p. 85 (Durban); *Dresser, B. Eur.* vii. p. 467, pl. 525 (1876); *id. Ibis*, 1876, p. 327; *Blanf. East. Persia*, ii. p. 280 (1876); *Wharton, Ibis*, 1876, p. 26 (Corsica); *Seebohm, t. c.* p. 289 (Lower Petchora); *Tacz. Bull. Soc. Zool. France*, i. p. 248 (1876: Dauria; Kultuk), ii. p. 155 (1877: Poland); *Feilden, Ibis*, 1877, p. 406 (Smith Sound); *David & Oust. Ois. Chine*, p. 429 (1877: Pekin); *Kumi. Bull. U.S. Nat. Mus.* no. 15, p. 83 (1879: Cumberland Sound); *Hume, Str. F.* viii. p. 197 (1879: Gurgaon); *Bogd. B. Cauc.* p. 152 (1879); *Seebohm, Ibis*, 1879, p. 155 (Siberia, lat. 71½°); *Clifton, t. c.* p. 369; *Ayres, Ibis*, 1880, p. 267 (Transvaal); *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 198 (1880), p. 229 (Greenland and W. side of Cumberland Gulf), iv. p. 217 (1881); *Gigl. Iconogr. Avif. Ital.* fasc. xi. (1881); *Biddulph, Ibis*, 1881, p. 94 (Gilgit); *Scully, t. c.* p. 587; *Seebohm, Ibis*, 1882, p. 221 (Astrachan); *Biddulph, t. c.* p. 268; *Coues, Check-l. N. Amer. B.* p. 97 (1882); *Severtz. Ibis*, 1883, p. 73 (Pamir); *Irby, t. c.* p. 287 (Santander); *B. O. U. List Brit. B.* p. 159 (1883); *Saunders, ed. Yarrell's Brit. B.* iii. p. 257 (1883); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 157 (1884); *Tristr. Faun. & Flor. Palest.* p. 130 (1844: breeding); *Bogd. Consp. Av. Imp. Ross.* p. 75 (1884); *Radde, Orn. Cauc.* pp. 43, 418 (1884: Lakes of Armenia); *Coues, Key N. Amer. B.* 2nd ed. p. 603 (1884); *Chapm. Ibis*, 1884, p. 99 (Spain); *Saunders, t. c.* p. 389 (Pyrenees); *Sharpe, ed. Layard's B. S. Afr.* p. 660 (1884: Cape Town; Port Elizabeth; E. London); *Salvad. Ann. Mus. Genov.* (2) i. p. 217 (1884: Shoa); *Chapm. Ibis*, 1885, p. 178 (Lapland); *Büttik. Notes Leyd. Mus.* vii. p. 237 (1885: Liberia); *Hartert, J. f. O.* 1886, p. 610 (Kaura); *A. O. U. Check-l. N. Amer. B.* p. 162 (1886; W. shore of Cumberland Gulf, breeding); *Gigl. Avif. Ital.* p. 373 (1886); *Salvad. Elenco Ucc. Ital.* p. 212 (1886); *Pleske, Uebers. Säug. und Vög. Kola Halbins.* p. 324 (1886); *Tait, Ibis*, 1887, p. 385 (Portugal); *Ridgw. Man. N. Am. B.* p. 177 (1887); *Koenig, J. f. O.* 1888, p. 84 (Tunis); *Buckley & Harvie-Brown, Vertebr. Faun. Outer Hebr.* p. 125 (1888); *Reid, Ibis*, 1888, p. 78 (Teneriffe); *Guillem. t. c.* pp. 104, 113 (Cyprus); *Shelley, t. c.* p. 305 (Manda Isl.); *Chapm. t. c.* p. 445 (Spain); *Saunders, Man. Brit. B.* p. 523 (1889); *Guillem. Ibis*, 1889, p. 210; *Lilford, t. c.* p. 338 (Cyprus); *Feilden, t. c.* pp. 480, 491 (Barbados); *Büttik. Notes Leyd. Mus.* xi. p. 136 (1889); *Gigl. Avif.*

Ital. 1*st Ressc.* p. 574 (1889), 2*nd Ressc.* p. 644 (1890), 3*rd Ressc.* p. 507 (1891); *Chamberl. Auk*, vi. p. 217 (1889: Godhavn, S. Greenland); *Brusina, Motr. etc.* (*Orn. Croatica*), p. 86 (1890); *Evans, Ibis*, 1891, p. 79 (incubation); *Fric & Kluky, Ares Hung.* p. 122 (1891); *Hagerup, B. Greenl.* p. 56 (1891: breeds along whole coast); *Buckley & Harvie-Brown, Vertebr. Faun. Orkney Is.* p. 203 (1891: resident); *Madarász, Erläut. Ausst. Ungar. Vög.* p. 103 (1891); *Lilford, Col. Fig. Brit. B.* part xx. (1891); *Buckley & Harvie-Brown, Vertebr. Faun. Argyll*, p. 165 (1892); *Payton, Ibis*, 1892, p. 471 (Mogador); *Berkeley James, New List Chilian B.* p. 11 (1892); *Meade-Waldo, Ibis*, 1893, p. 203 (Canary Is.); *Blagg, t. c.* p. 355 (Shetland Is.); *Allen, Auk*, x. p. 124 (1893); *Frazak, Orn. Jahrb.* iii. p. 23 (1893: Bohemia); *Pearson & Bidwell, Ibis*, 1894, p. 233 (N. Norway; breeding).

Ægialitis septentrionalis, *Brehm, Vög. Deutschl.* p. 548 (1831).

Hiaticula annulata, *Gray, List Gen. B.* p. 65 (1840); *Rüpp. Syst. Uebers.* p. 118 (1845: Egypt & Red Sea).

Hiaticula torquata, *Gray, List Grall. Brit. Mus.* p. 68 (1844).

Hiaticula hiaticula, *Licht. Nomencl. Av. Mus. Berol.* p. 94 (1854).

Hiaticula arabs, *Licht. Nomencl. Av. Mus. Berol.* p. 94 (1854).

? Charadrius homeyeri, *Brehm, Naumannia*, 1855, p. 288.

Ægialitis auritus, *Heugl. Syst. Uebers.* p. 56 (1856).

Ægialitis hiaticuloides, *Heugl. Syst. Uebers.* p. 56 (1856).

Ægialitis intermedius (*nec Ménétr.*), *Gurney, Ibis*, 1898, p. 255; *Sharpe, ed. Layard's B. S. Afr.* p. 661 (1884).

Pluvialis hiaticula, *Droste, Vogelw. Borkum*, p. 150 (1869).

Charadrius hiaticula major, *Seebohm, Hist. Brit. B.* iii. p. 20, pl. 26. fig. 6 (1885); *id. Geogr. Distr. Charadr.* p. 126 (1888).

Adult male. General colour above light brown; wing-coverts like the back, the greater series tipped with white; bastard-wing, primary-coverts, and quills brown, the primaries dark brown on the outer webs and round the tips, with more or less white towards the base of the inner webs; the shafts white, increasing in extent on the inner ones and forming a distinct patch on the outer web; the brown colour diminishing, and the white gradually extending, till the inner secondaries become pure white, the innermost long secondaries brown like the back; lateral upper tail-coverts white, the centre ones brown like the back; tail-feathers pale brown, tipped with white, with a sub-terminal black bar; the white increasing towards the outer feathers, the penultimate one being white with a pale brown inner web and a narrow black sub-terminal bar; the outermost tail-feather pure white; crown of head pale brown, separated from the white frontal band by a broad band of black; a narrow line across the base of the forehead, lores, sides of face, and ear-coverts black, with a narrow white stripe from above the fore part of the eye to above the ear-coverts; cheeks and sides of neck white, continued in a collar round the hind-neck, followed by an ill-defined blackish collar across the upper mantle; under surface of body pure white, with a black collar across the fore-neck, widening on the sides of the chest; under wing-coverts and axillaries white, the lower primary-coverts pale ashy, like the quill-lining: "bill black at the end, orange for the rest of its extent; feet orange; claws black; iris brown"

(*J. Macgillivray*). Total length 7 inches, culmen 0·7, wing 5·1, tail 2·3, tarsus 1·05.

Adult female. Not distinguishable from the male. Total length 7·7 inches, culmen 0·65, wing 5·1, tail 2·25, tarsus 1.

Young. Paler than the adults, and distinguished by the pale margins of ashy buff to the feathers of the upper surface; ear-coverts brownish black; no black band on the fore part of the crown; the white forehead and eyebrow tinged with buff; band on the fore-neck brown, tinged with buff in the middle, the sides of the collar blackish.

Mr. Seebohm has separated the British Ringed Plover as *Æ. major*, but every link between this large form and the ordinary *Æ. hiaticola* is found in a series of specimens.

Hab. From Greenland and Cumberland Gulf in Arctic America, throughout Europe generally, wintering in Africa down to the Cape Colony. Eastwards to Lake Baikal, and extending rarely to N.W. India. Accidental in other countries (Barbados, Chili, &c.).

a. ♀ ad. sk.	Twin Glacier Valley, Aug. 4 (*H. W. Feilden*).	Voy. H.M.S. 'Alert.'
b–f. Ad. sk.	Greenland.	
g. ♂ ad. sk.	Lichtenfels, S. Greenland, Aug. 17.	Dr. R. B. Sharpe [P.].
h. Ad. sk.	Great Britain.	Montagu Coll.
i–m. ♂ ♀ ad. sk.	Orkney Islands.	Tweeddale Coll.
n. Ad. sk.	Scotland (*R. G. W. R.*).	Tweeddale Coll.
o–v. ♂ ♀ ad. sk.	Warkworth, Northumberland, June & Nov. (*O. S.*).	Salvin-Godman Coll.
w. ♀ ad. sk.	Holy Island, Northumberland, June 19 (*P. Godman*).	Salvin-Godman Coll.
x. ♂ juv. sk.	Newbiggen, Northumberland, Aug. 24.	Hume Coll.
y, z. Imm. sk.	Lincolnshire, Sept. 5.	J. H. Caton Haigh, Esq. [P.].
a'. Juv. sk.	Salthouse, Norfolk, June 15.	Tweeddale Coll.
b'. Imm. sk.	Aldeburgh, Suffolk, Sept. 19.	Colonel Irby [P.].
c'–f'. ♂ ♀ ad.; *g', h'*. Pull. sk.	Dungeness, Kent, March, May.	Gould Coll.
i'–p'. ♂ ♀ ad. et imm. sk.	Romney Marsh, Kent, May, Aug., Sept.	Dr. R. B. Sharpe [P.].
q'. Pull. sk.	Lydd, May.	Tweeddale Coll.
r', s'. Ad. sk.	Sussex.	Hume Coll.
t'–v'. Ad. et imm. sk.	Brighton, Aug., Sept.	Gould Coll.
w'–n''. ♂ ♀ ad. et imm. sk.	Pagham, Sussex.	
o''. ♀ ad. sk.	Kingsbury, Middlesex, Aug. 21 (*J. E. Harting*).	Seebohm Coll.
p''. ♀ imm. sk.	Kingsbury, autumn (*J. E. Harting*).	Gould Coll.
q'' s''. Ad. et imm. sk.	Carmarthen, Wales.	Montagu Coll. (Type of *C. torquata*, Leach.)
t''. ♀ ad. sk.	St. Bride's, S. Wales, Dec. 12.	Hon. W. Edwardes [P.].
u'', v''. Imm. sk.	Heligoland, Sept 26.	F. Nicholson, Esq. [P.].

w''. ♂ ad. sk.	Yorsah, Lower Petchora, June 9.	Seebohm Coll.
x''. ♂ ad. sk.	Little Ob R., Aug. 17 (*Dr. O. Finsch*).	Geogr. Soc. Bremen [P.].
y''. ♀ imm. sk.	Tampriumpan, River Ob, Sept. (*Dr. O. Finsch*).	Geogr. Soc. Bremen [P.].
z''. Pull. sk.	Schtschutschja, July 24 (*Dr. O. Finsch*).	Geogr. Soc. Bremen [P.].
a^3. ♀ ad. sk.	Valley of the Yen-e-sai, June 23 (*H. Seebohm*).	Tweeddale Coll.
b^3. ♀ ad. sk.	Valley of the Yen-e-sai, June 22 (*H. S.*).	Seebohm Coll.
c^3. Imm. sk.	Wesel, on the Rhine.	E. Hartert, Esq. [C.].
d^3. Ad. sk.	Genoa, Italy.	Tweeddale Coll.
e^3. ♀ ad. sk.	Corfu (*Wilson Saunders*).	Seebohm Coll.
f^3. ♂ ad. sk.	Valencia, Dec. (*H. Saunders*).	Tweeddale Coll.
g^3-k^3. ♀ ad. sk.	Gibraltar, March, April.	Colonel Irby [P.].
l^3. Imm. sk.	Portugal.	Dr. L. Vieira [P.].
m^3. Ad. sk.	Morocco.	Seebohm Coll.
n^3. ♀ ad. sk.	Tripoli, April 9 (*Dickson & Ross*).	Gould Coll.
o^3, p^3. Imm. sk.	Senegal.	L. Laglaize [C.].
q^3. Ad. sk.	Fantee (*H. T. Ussher*).	Capt. Shelley [P.].
r^3. Ad. sk.	Accra, Gold Coast.	Dr. R. B. Sharpe [P.].
s^3, t^3. ♀ ad. sk.	Walvisch Bay, Oct. 22 (*C. J. Andersson*).	Seebohm Coll.
u^3. ♂ ad. sk.	Kuyana, Nov. 29 (*C. J. A.*).	Seebohm Coll.
v^3, w^3. Ad. sk.	South Africa.	Sir A. Smith [C.].
x^3. Ad. sk.	Kingwilliamstown.	Major Trevelyan [P.].
y^3. Ad. sk.	Zanzibar.	Seebohm Coll.
z^3. ♂ ad. sk.	Manda Isl., Nov.	F. J. Jackson, Esq. [P.].
a^4, b^4. ♀ ad. sk.	Lamu.	F. J. Jackson, Esq. [P.].
c^4. Ad. sk.	Equatorial Africa.	Emin Pasha [P.].
d^4. ♂ ad. sk.	Egypt, Feb. 12 (*G. E. S.*).	Tweeddale Coll.
e^4. ♀ ad. sk.	Damietta, May 9 (*S. S. Allen*).	Gould Coll.
f^4, g^4. ♂ ♀ ad. sk.	Cyprus, Oct. (*H. H. Guillemard*).	Lord Lilford [P.].
h^4. ♀ ad. sk.	Gennesaret, Palestine.	Canon Tristram [C.].
i^4. Ad. sk.	Persia.	Kenneth Loftus, Esq. [P.].
k^4. ♂ imm. sk.	Sultanpur, Gurgaon, India, Nov. 28 (*W. N. Chill*).	Hume Coll.
l^4. Ad. sk.	"Port Stevens, New South Wales." *	Gould Coll.
m^4. ♂ ad. sk.	Chancery Lane, Barbados, Sept. 10.	Colonel Feilden [P.].
n^4. Skeleton.	England.	Purchased.
o^4. Sternum.	England.	Purchased.

* This specimen is the authority for including the species in the Australian avifauna. A specimen of *Leptersdius gularis* of Africa was also described by Gould as *Heteralus pannosus* from "Port Stevens." I have no doubt that the locality is erroneous in both cases.

2. Ægialitis placida.

Charadrius placidus, *Gray, Cat. Mamm. &c. Nepal pres. Hodgs.* p. 70 (1863); *id. Hand-l. B.* iii. p. 15, no. 10001 (1871); *Harting, Ibis*, 1873, p. 326; *Seebohm, Geogr. Dist. Charadr.* p. 307 (1888); *id. B. Japan. Emp.* p. 307 (1890); *Styan, Ibis*, 1894, p. 336 (Kiu-Kiang, July).

Charadrius indicus (*nec Lath.*), *Schl. Mus. Pays-Bas*, Cursores, p. 25 (1865).

Charadrius hiaticula (*nec Linn.*), *Blyth, Ibis*, 1867, p. 165.

Charadrius longipes (*nec T. & S.*), *David, N. Arch. du Mus.* 1867, *Bull.* p. 38 (Pekin, winter).

Ægialitis hartingi, *Swinh. P. Z. S.* 1870, p. 136, pl. xii. (Yangtse Kiang), 1871, p. 404; *id. Ibis*, 1873, p. 96.

Ægialitis hiaticula (*nec L.*), *Swinh. P. Z. S.* 1871, p. 404.

Charadrius hartingi, *Gray, Hand-l. B.* iii. p. 15, no. 10003 (1871); *Giebel, Thes. Orn.* i. p. 642 (1872).

Eudromias tenuirostris, *Hume, Str. F.* i. p. 17 (1873: Burma), p. 417 (Darjiling); *Blanf. Ibis*, 1873, p. 217; *Harting, t. c.* p. 326.

Eudromias (Ægialitis) tenuirostris, *Hume, Str. F.* i. p. 495 (1873).

Ægialitis placidus, *Swinh. Ibis*, 1874, p. 162 (Hakodadi), 1875, p. 129; *Blyth, B. Burm.* p. 153 (1875); *David & Oust. Ois. Chine*, p. 428 (1877); *Blakist. & Pryer, Ibis*, 1878, p. 219 (Yezo); *Hume & Davidson, Str. F.* vi. p. 455 (1878: Tenasserim); *Hume, Str. F.* viii. p. 112 (1879); *Jouy, Proc. U.S. Nat. Mus.* vi. p. 113 (1883: Central Hondo, Japan); *Oates, Handb. B. Brit. Burm.* ii. p. 369, note (1883); *Blakist. Amended List B. Jap.* p. 107 (1884); *Bogd. Consp. Av. Imp. Ross.* p. 76 (1884: Askold); *Tacz. P. Z. S.* 1887, p. 610 (Corea, Jan.); *Salvad. & Gigl. Mem. R. Accad. Torino*, xxxix. p. 128 (1888: Kii Straits, Japan); *Hume, Str. F.* xi. p. 314 (1888: Dibrughur; Cachar; not observed in Manipur).

Ægialitis placida, *Swinh. Ibis*, 1874, p. 162 (Hakodadi), 1875, p. 452; *Scully, Str. F.* viii. p. 351 (1879: Nepal Valley); *Hume, Str. F.* ix. p. 258 (1880: Barak R., N.E. Cachar); *Tacz. P. Z. S.* 1888, p. 408 (Corea, spring & autumn).

Adult male. Similar to *Æ. hiaticola*, but with a perfectly black bill, and only showing a narrow dusky line from the base of the bill to the eye; no pure white inner secondaries, these being brown, with a narrow edging of white near the end of the outer web; primaries with dark shafts, the first primary only having a little shade of whitish towards the sub-terminal portion: "bill blackish brown, the basal third of the lower mandible orange-yellow; eyelid orange-yellow; iris full and dark; feet pale ochreous, darker on the toes; claws black" (*R. Swinhoe*). Total length 8 inches, culmen 0·75, wing 5·55, tail 2·9, tarsus 1·25.

Adult female. Similar in colour to the male: "bill black, the extreme base of the lower mandible yellow; feet pure ochre-yellow; claws black; iris dark brown; margin of eyelid ochre-yellow" (*J. Scully*). Total length 8 inches, culmen 0·85, wing 5·6, tail 3·1, tarsus 1·2.

Young. Only differs from the adults in having rufescent margins to the feathers of the upper surface, the forehead and eyebrow

tinged with sandy buff; præpectoral collar brown, and not so broad as in the adults.

Hab. From Manchuria, Corea, and the Japanese islands, south throughout China to Cachar, and west to Nepal.

a. b. c. Ad. et juv. sk.	Nepal.	Hodgson Coll. (Types of species.)
d. ♀ ad. sk.	Nepal Valley, Nov. 20 (*D. Scully*).	Hume Coll.
e. Juv. sk.	Native Sikhim, Sept. (*L. Mandelli*).	Hume Coll.
f. Juv. sk.	Sikhim (*L. Mandelli*).	Hume Coll.
g. Ad. sk.	? Darjiling (*Dr. Jerdon*).	Hume Coll. (Type of *E. tenuirostris*.)
h, i, k. Ad. sk.	Bhotan Doars (*L. Mandelli*).	Hume Coll.
l ♂ ad. sk.	Dibrughur, Assam (*J. R. Cripps*).	Hume Coll.
m. ♀ ad. sk.	Dilkusha, Cachar (*J. Inglis*).	Hume Coll.
n, o. Ad. sk.	Ichang, W. China.	A. Pratt, Esq. [P.].
p. ♂ ad. sk.	Szechuen, May 17 (*R. Swinhoe*).	Seebohm Coll. (Type of *Æ. hartingi*.)
q. Ad. sk.	S. Manchuria.	Dr. H. M. James [P.].
r, s, t. ♀ ad. sk.	Corea.	C. W. Campbell, Esq. [P.].
u. ♀ ad. sk.	Hakodadi, Japan, May (*Capt. Blakiston*).	Tweeddale Coll.
v. Ad. sk.	Yokohama (*H. Pryer*).	Tweeddale Coll.
w. Ad. sk.	Yokohama (*H. Snow*).	Seebohm Coll.
x, y. ♂ ♀ ad. sk.	Nagasaki.	F. Ringer, Esq. [P.].

3. Ægialitis dubia.

The Little Ringed Plover.

Petit Pluvier à collier de l'Isle de Luçon, *Sonn. Voy. Nouv. Guin.* p. 84, pl. 46 (1776).

Le Petit Pluvier à collier, *D'Aubent. Pl. Enl.* ix. pl. 921; *Buff. Hist. Nat. Ois.* viii. p. 80, note (1781).

Charadrius dubius, *Scop. Del. Faun. et Flor. Insubr.* ii. p. 93 (1786); *Hartert, Ibis*, 1892, p. 516 (E. Prussia).

Charadrius curonicus, *Gm. Syst. Nat.* i. p. 692 (1788); *Vieill. N. Dict. d'Hist. Nat.* xxvii. p. 137 (1818); *Beseke, Vög. Kurl.* p. 67 (1821); *Gray, Gen. B.* iii. p. 544 (1847); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 447 (1850); *Schrenck, Reis. Amurl.* p. 412 (1859); *Blyth, Ibis*, 1867, pp. 164, 170; *Loche, Expl. Sci. Algér., Ois.* ii. p. 298 (1867); *Bulger, Ibis*, 1869, p. 184 (Sikhim); *Swinh. P. Z. S.* 1870, p. 137; *Fritsch, Vog. Eur.* tab. 33. figs. 3, 4 (1870); *Elwes & Buckley, Ibis*, 1870, p. 330 (Bulgaria; Bosphorus); *Swinh. t. c.* p. 391; *Sharpe, Ibis*, 1872, p. 73 (Fantee); *Wald. Ibis*, 1873, p. 316 (Andamans); *Cordeaux, Ibis*, 1875, p. 185 (Heligoland); *Dresser, Ibis*, 1876, p. 328; *Durnf. Ibis*, 1878, p. 33 (Asia Minor); *Reichen. Syst. Verz. Vog. Deutschl.* p. 51 (1878); *Prazak, Orn. Jahrb.* iii. p. 23 (1892: Bohemia); *Reichen. Vog. Deutsch-Ostafr.* p. 34 (1894: Uralla River).

? Charadrius erythropus, *Gm. Syst. Nat.* i. p. 684 (1788).

Charadrius philippinus, *Lath. Ind. Orn.* ii. p. 745 (1790); *Sykes, P. Z. S.* 1832, p. 100; *Jerd. Madr. Journ.* xii. p. 212 (1840); *Swinh. Ibis*, 1861, pp. 200, 342; *Schl. Mus. Pays-Bas*, Cursores,

p. 28 (1865); *Degl. & Gerbe, Orn. Eur.* ii. p. 136 (1867); *Gray, Hand-l. B.* iii. p. 15, no. 10000 (1871); *Vorderm. Nat. Tijdschr. Nederl. Ind.* xlii. p. 204 (1882: Java).

Charadrius minor, *Wolf & Meyer, Vög. Deutschl.* Heft xv. (1805); *Meyer & Wolf, Taschenb.* p. 324 (1810); *Temm. Man. d'Orn.* p. 330 (1815), 2nd ed. ii. p. 542 (1820); *Roux, Orn. Prov.* pl. 276 (1825); *Werner, Atlas, Coureurs*, pl. 7 (1827); *Wagl. Syst. Av.*, Charadrius, p. 62, sp. 22 (1827); *Naum. Vög. Deutschl.* vii. Taf. 177 (1834); *Gould, B. Eur.* iv. pl. 297 (1837); *Macgill. Man. Brit. B.* ii. p. 53 (1840); *Crespon, Orn. Gard*, p. 363 (1840); *Nordm. in Démid. Voy. Russ. Mérid.* iii. p. 234 (1840: Odessa); *Selys-Longch. Faun. Belg.* p. 120 (1842); *Schl. Rev. Crit.* p. lxxxiii (1844); *Hewits. Eggs Brit. B.* ii. p. 258, pl. lxix. fig. 4 (1846); *Macgill. Brit. B.* iv. p. 128 (1850); *Kjærb. Danm. Fugle*, pl. 30. fig. 1 (1852); *Schl. Vog. Nederl.* pl. 214 (1854); *id. Dier. Nederl. Vogels*, pl. 21. figs. 9, 9 *a* (1861); *Sundev. Sv. Fogl.* pl. 37. fig. 3 (1856–72); *Fallon, Ois. Belg.* p. 152 (1875); *Seebohm, Hist. Brit. B.* iii. p. 16, pl. 26. fig. 8 (1885); *id. Geogr. Distr. Charadr.* p. 130 (1888); *id. B. Japan. Emp.* p. 306 (1890: breeds); *Styan, Ibis*, 1891, p. 330 (Lower Yangtse, spring & autumn); *Seebohm, Ibis*, 1892, p. 23 (Heligoland); *Campbell, t. c.* p. 246 (Corea); *Seebohm, Ibis*, 1893, p. 53 (Liu Kiu Is., Jan.).

Charadrius fluviatilis, *Bechst. Gemeinn. Naturg. Deutschl.* iv. p. 422 (1809); *Wyatt, Ibis*, 1870, p. 17 (Tor, Sinai); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1029 (1873: Red Sea; Nile to the Equator; westwards to the Req swamps); *Seebohm & Harvie-Brown, Ibis*, 1876, p. 290 (Lower Petchora); *Oust. Bibl. Ecole Hautes-Etudes*, xxxi. Art. 10, p. 12 (1886: Somali).

Charadrius hiaticula (*nec Linn.*), *Pall. Zoogr. Rosso-Asiat.* ii. p. 144 (1811).

Charadrius minutus, *Pall. Zoogr. Rosso-Asiat.* ii. p. 145 (1811).

Charadrius pusillus, *Horsf. Trans. Linn. Soc.* xiii. p. 187 (1821: Java).

Charadrius hiaticula, var., *Raffl. Trans. Linn. Soc.* xiii. p. 328 (1822: Sumatra).

Ægialitis minor, *Boie, Isis*, 1822, p. 558; *Brehm, Vög. Deutschl.* p. 550 (1831); *Bp. Comp. List B. Eur. & N. Amer.* p. 45 (1838); *Salvin, Ibis*, 1859, p. 355 (Zana); *Tristr. Ibis*, 1860, p. 79; *Adams, Ibis*, 1864, p. 29 (Egypt & Nubia); *Gigl. Ibis*, 1865, p. 59 (Pisa); *Lilford, Ibis*, 1866, pp. 184, 378; *Chambers, Ibis*, 1867, p. 100 (Tripoli); *Tristr. Ibis*, 1868, p. 323 (Kishon; Lake of Galilee); *Swinh. Ibis*, 1869, p. 347 (Formosa); *Saunders, Ibis*, 1871, p. 386 (S. Spain); *Gould, B. Gt. Brit.* iv. pl. 42 (1871); *Sharpe, Ibis*, 1872, p. 273 (Accra); *Shelley & Buckley, t. c.* p. 290; *Brooke, Ibis*, 1873, p. 337 (Sardinia); *Severtz. Turkest. Jevotn.* p. 69 (1873); *Durnf. Ibis*, 1874, p. 392 (N. Frisian Is.); *Lilford, Ibis*, 1875, p. 21 (Mediterranean); *Bogd. B. Cauc.* p. 152 (1879); *Bp. Consp. Av. Imp. Ross.* p. 76 (1884); *Zarudn. Bull. Soc. Imp. Nat. Moscou*, 1885, p. 68 (Teke, breeding); *Tacz. P. Z. S.* 1887, p. 610 (Séoul, Corea, April), 1888, p. 467; *Shelley, t. c.* p. 49 (Lado); *Koenig, J. f. O.* 1888, p. 83 (Tunis); *Guillem. Ibis*, 1888, pp. 104, 113 (Cyprus); *Lilford, Ibis*, 1889, p. 338 (Cyprus); *Shelley, Ibis*, 1890, p. 169 (Yambuya, Aruwhimi R.); *Olphe-Gall. Contr. Faun. Orn. Eur. Occid.* fasc. xiii. p. 37 (1890); *Reiser, Vogels. Mus. Sarajevo*, p. 106 (1891); *De la Touche, Ibis*, 1892, p. 496 (Foochow, spring; Swatow, winter).

Ægialitis fluviatilis, *Brehm, Vög. Deutschl.* p. 549 (1831); *E. C. Taylor, Ibis*, 1867, p. 68 (Egypt); *Finsch & Hartl. Vög. Ostafr.*

p. 659 (1870); *Gray, Hand-l. B.* iii. p. 15, no. 9099 (1871); *Hume, Nests & Eggs Ind. B.* p. 572 (1873); *Tacz. J. f. O.* 1873, p. 102, 1874, p. 336; *Irby, Orn. Straits Gibr.* p. 162 (1875); *Blanf. East. Persia*, ii. p. 279 (1876); *Scully, Str. F.* iv. p. 185 (1876); *Tacz. Bull. Soc. Zool. France*, i. p. 248 (1876: Dauria; Kultuk), ii. p. 155 (1877: Poland); *Finsch, Verhandl. z.-b. Ges. Wien*, xxix. p. 245 (1879: Marka-kul); *Ramsay, Proc. Linn. Soc. N. S. W.* iv. pp. 93, 101 (1880: Port Moresby); *Pelz. Verhandl. z.-b. Ges. Wien*, xxxi. p. 155 (1881); *Müller, J. f. O.* 1882, p. 83 (Salanga); *Madarász, Ausst. Ungar. Vög.* p. 103 (1891); *Frivaldsky, Ac. Hung.* p. 122 (1891).

Charadrius hiaticuloides, *Frankl. P. Z. S.* 1831, p. 125 (Ganges); *Swinh. Ibis*, 1860, p. 63 (Amoy).

Charadrius intermedius, *Ménétr. Cat. Rais. Cauc.* p. 53 (1832: Lenkoran); *Bp. Comp. List B. Eur. & N. Amer.* p. 45 (1838).

Charadrius zonatus, *Swains. B. W. Afr.* ii. p. 235 (1837).

Ægialitis curonicus, *Keys. & Blas. Wirb. Eur.* p. lxxi (1840); *Bp. C. R.* xlii. p. 417 (1856); *Gray, List Brit. B.* p. 141 (1863); *Burggr. Vogelf. Norddeutschl.* p. 111 (1869); *Doderl. Avif. Sicil.* p. 176 (1869); *Salvad. Faun. Ital., Ucc.* p. 205 (1871); *Coues, Key N. Amer. B.* p. 603 (1872); *Dresser, B. Eur.* vii. p. 491, pl. 524 (1876); *Armstrong, Str. F.* iv. p. 340 (1876); *Prjev. in Rowley's Orn. Misc.* ii. p. 435 (1877: S.E. Mongolia; Ordos; Alashan; Lake Hanka, breeding); *Hume & Davison, Str. F.* vi. p. 456 (1878: Tenasserim); *Davidson & Wenden, op. cit.* vii. p. 88 (1878: Deccan); *Scully, Ibis*, 1881, p. 587 (Gilgit); *Blakist. & Pryer, B. Japan*, p. 106 (1882); *Swinh. Ibis*, 1882, p. 120 (Kandahar, Feb.; Chaman, April; Quetta, May); *Seebohm, t. c.* p. 222 (Delta of Volga; Seal Is. in Caspian); *Slater, t. c.* p. 435 (Hankow); *B. O. U. List Brit. B.* p. 159 (1883); *Saunders, ed. Yarrell's Brit. B.* iii. p. 282 (1883); *Blakist. Amend. List B. Japan*, p. 10 (1884); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 159 (1884); *Brooks, Ibis*, 1884, pp. 237, 238; *Tristr. Faun. & Flor. Palest.* p. 130 (1884); *Radde, Orn. Cauc.* pp. 43, 417 (1884: Lenkoran, Feb., March); *Whitehead, Ibis*, 1885, p. 42 (Corsica); *Giigl. Arif. Ital.* p. 373 (1886); *Salvad. Elenco Ucc. Ital.* p. 212 (1886); *Stejn. Proc. U.S. Nat. Mus.* x. p. 394 (1887: Liu Kiu Is.); *Tait, Ibis*, 1887, p. 385 (Portugal); *Scully, J. A. S. Beng.* lvi. p. 87 (1887); *Saunders, Man. Brit. B.* p. 525 (1889); *M. John, Ibis*, 1889, p. 176 (Kandahar); *Eagle Clarke, t. c.* p. 552 (East Pyrenees); *Rendall, Ibis*, 1892, p. 229 (Gambia, April); *Munn, Ibis*, 1894, p. 72 (Calcutta distr.); *Chapman, t. c.* p. 347 (West Jutland); *Lilford, Col. Fig. Brit. B.* pt. xxx. (1895).

The Little Ringed Plover, *Yarrell, Brit. B.* ii. p. 409 (1843).

Hiaticula curonica, *Gray, List Grall. Brit. Mus.* p. 68 (1844); *id. Cat. Mamm. &c. Nepal pres. Hodgs.* p. 133 (1846); *Licht. Nomencl. Av. Mus. Berol.* p. 94 (1854: Nubia).

Hiaticula minor, *Hodgs, Icon. ined. in Brit. Mus. Grall.* pl. 55. fig. 2, no. 628; *id. in Gray's Zool. Misc.* p. 86 (1844); *Rupp. Syst. Uebers.* p. 118 (1845: Egypt & Red Sea).

Charadrius alexandrinus (*nec Linn.*), *Thienem. Abbild. Vogeleiern*, Taf. lix. (1845-56); *Schalow, J. f. O.* 1891, p. 259 (Island of Kodiak); *Reichen. Jahrb. Humb. Wissensch. Anst.* x. p. 6 (1893: Quilimane).

Hiaticula philippina, *Blyth, Cat. B. Mus. As. Soc.* p. 263 (1849: Calcutta).

Hiaticula pusilla, *Blyth, Cat. B. Mus. As. Soc.* p. 264 (1849: Rajmahal).

Hiaticula simplex, *Licht. Nomencl. Av. Mus. Berol.* p. 94 (1854: E. India).
Charadrius gracilis, *Brehm, Naumannia*, 1855, p. 288.
Charadrius pygmæus, *Brehm, Naumannia*, 1855, p. 289.
Ægialitis pygmæa, *Brehm, Vogelf.* p. 282 (1855).
Ægialitis gracilis, *Brehm, Vogelf.* p. 282 (1855).
Ægialitis zonatus, *Hartl. Orn. West-Afr.* p. 216 (1857: Gambia; Elmina; Saccondè).
Ægialitis pusillus, *Swinh. Ibis*, 1861, p. 342.
Ægialitis philippinus, *Swinh. Ibis*, 1861, p. 342 (Pekin), 1862, p. 255 (Foochow), 1863, p. 406; *Scl. P. Z. S.* 1863, p. 222 (Banjarmassing); *Swinh. t. c.* p. 310; *Hume, Str. F.* iii. p. 179 (1875: Thayetmyo); *Biddulph, Ibis*, 1881, p. 94 (Gilgit), 1882, p. 287; *Ridgw. Proc. U.S. Nat. Mus.* iv. p. 330 (1881); *Murray, Vertebr. Faun. Sind*, p. 227 (1884); *Olphe-Gall. Contr. Faun. Orn. Eur. Occid.* fasc. xiii. p. 30 (1890).
Ægialitis minutus, *Jerd. B. Ind.* iii. p. 641 (1864); *Blyth, Ibis*, 1867, p. 164; *Beavan, Ibis*, 1868, p. 389 (Umbala); *Wald. Ibis*, 1873, p. 316 (Andamans); *Hayes Lloyd, t. c.* p. 416 (Kathiawar); *Legge, Str. F.* iii. p. 372 (1875: Ceylon); *Hume, op. cit.* v. p. 212 (1877: Deesa); *id. & Davison, Str. F.* vi. p. 546 (1878: Tenasserim); *Ball, op. cit.* vii. p. 227 (1878: Raipur); *Cripps, t. c.* p. 300 (Faridpur); *Hume, op. cit.* viii. p. 112 (1879); *Brooks, Ibis*, 1884, pp. 237, 238; *Swinh. & Barnes, Ibis*, 1885, p. 132 (Mhow distr.).
Ægialitis intermedius, *Swinh. Ibis*, 1870, p. 361 (Hainan).
Ægialitis dubia, *Swinh. P. Z. S.* 1871, p. 404 (breeding in N. China; S. China, Formosa, & Hainan in winter); *Wald. Trans. Zool. Soc.* viii. p. 89 (1872: Ayer Pannas, Celebes); *Salvad. Ucc. Born.* p. 316 (1874); *Blyth & Wald. B. Burm.* p. 153 (1875); *Wald. Trans. Zool. Soc.* ix. p. 227 (1875: Philippines); *Swinh. Ibis*, 1875, p. 452 (Hakodadi); *Sharpe, Ibis*, 1876, p. 51 (Sibu); *Tweedd. P. Z. S.* 1877, p. 701 (Monte Alban), p. 833 (Placer); *David & Oust. Ois. Chine*, p. 429 (1877); *Ball, Str. F.* vii. p. 227 (1878: Ganges to Godavery); *Tweedd. P. Z. S.* 1878, p. 712 (N. Bohol); *Blakist. & Pryer, Ibis*, 1878, p. 219; *Seebohm, Ibis*, 1879, p. 25 (Japan); *Scl. P. Z. S.* 1879, p. 147 (New Ireland); *Vidal, Str. F.* ix. p. 81 (1880: S. Konkan); *Bingham, t. c.* p. 196 (Thoungyeen Valley); *Barnes, t. c.* p. 458 (S. Afghanistan); *Reid, Str. F.* x. p. 65 (1881: Lucknow); *Kelham, Ibis*, 1882, p. 10 (Singapore, Nov.); *Oates, Handb. B. Brit. Burm.* ii. p. 370 (1883); *Davison, Str. F.* x. p. 412 (1883: S.W. Mysore; Nilghiris); *Vorderm. Nat. Tijdschr. Nederl. Ind.* xliv. p. 204 (1884: Java); *C. Swinh. & Barnes, Ibis*, 1885, p. 132 (Mhow); *Sharpe, Ibis*, 1886, p. 167 (Muscat), p. 492 (Fao, March); *A. O. U. Check-l. N. Amer. B.* p. 162 (1886: California; Alaska); *Ridgw. Man. N. Amer. B.* p. 177 (1887); *Salvad. Ann. Mus. Gen.* (2) v. p. 621 (1887: Kaukaryit); *Stejn. Proc. U.S. Nat. Mus.* x. p. 394 (1887: Liu Kiu Isl.); *Sharpe, Ibis*, 1888, p. 203 (Palawan); *Hume, Str. F.* xi. p. 315 (1888: Manipur); *Everett, J. Straits Branch As. Soc.* 1889, p. 205; *Vorderm. Nat. Tijdschr. Nederl. Ind.* xlix. p. 415 (1889: Sumatra); *Sharpe, Tr. Linn. Soc.* (2) v. pt. 3, p. 89 (1889: Tirphul); *Brusina, Motr. etc. (Orn. Croatica)*, p. 86 (1890); *Whitehead, Ibis*, 1890, p. 58 (Palawan); *Sharpe, t. c.* pp. 142, 284 (Pulo Tegu, April); *Steere, List B. & Mamm. Exp. Philipp.* p. 25 (1890: Paraguay; Mindanao; Guimaras); *Oates, ed. Hume's Nests & Eggs Ind. B.* iii. p. 338 (1890); *Sharpe, Ibis*, 1891, p. 113 (Fao); *id. Sci. Res. 2nd Yark. Miss.* p. 137 (1891: Yarkand, May).

Pluvialis fluviatilis, *Droste, Vogelw. Borkum*, p. 153 (1869).
Ægialitis microrhynchus, *Ridgw. Am. Nat.* viii. p. 109 (1874: San Francisco).
Ægialitis alexandrinus (*nec Linn.*), *Durnf. Ibis*, 1874, p. 398 (N. Frisian Isl.); *Reichen. J. f. O.* 1889, p. 265 (Quilimane).
Ægialitis hiaticula (*nec Linn.*), *Ramsay, Proc. Linn. Soc. N. S. W.* i. p. 394 (1877: Port Moresby), ii. p. 197 (1878: S. New Guinea), iii. p. 279 (1879: Laloki River); *id. Tab. List Austr. B.* p. 19 (1888: N. S. W.).
Ægialitis jerdoni, *Legge, P. Z. S.* 1880, p. 39; *id. B. Ceylon*, p. 1056 (1880); *Salvad. Orn. Papuasia etc.* iii. p. 303 (1882); *Biddulph, Ibis*, 1882, p. 287 (Gilgit, May, Sept.); *Davidson, Str. F.* x. p. 275 (1882: W. Kandeish); *Hume, Str. F.* xi. p. 315 (1888); *Ramsay, Tab. List Austr. B.* p. 19 (1888); *Salvad. Agg. Orn. Papuasia etc.* iii. p. 200 (1891); *id. Ann. Mus. Gen.* (2) xii. p. 75 (1891: Sumatra); *Legge, Proc. Austr. Assoc.* 1892, p. 41.
Charadrius minor jerdoni, *Seebohm, Geogr. Distr. Charadr.* p. 132 (1888).

Adult male. General colour above light brown, a little darker on the rump and central upper tail-coverts; sides of rump and lateral upper tail-coverts pure white; wing-coverts like the back, the feathers round the bend of the wing darker brown; bastard-wing feathers blackish with white tips; primary-coverts blackish; primary quills blackish, internally lighter brown, with dark shafts to all the primaries except the first, where it is white; secondaries dusky, lighter and more ashy brown internally, inner secondaries smoky brown, with a good deal of white on both webs, the long inner secondaries like the back; tail-feathers ashy brown, tipped with white, and with a broad sub-terminal black bar, the outer feathers more distinctly edged with white, the two outermost almost entirely white, with a black patch on the inner web corresponding to the sub-terminal bar on the rest of the feathers; base of forehead, lores, feathers above and below the eye, and ear-coverts black; a broad frontal band of white, followed by another broad band of black above the eye, which is again succeeded by another black line, which widens out above the eye and forms a distinct eyebrow; hinder crown as far as the nape ashy brown; round the neck a broad white collar, continuous with the white throat, and followed by a broad band of black on the lower hind-neck, and continued right across the fore-neck, widening out on the sides; cheeks, throat, and under surface of body pure white, including the under wing-coverts and axillaries: "bill dusky black; feet flesh-colour; iris dusky brown; ring round the eye bright yellow" (*Ewin*). Total length 6·8 inches, culmen 0·6, wing 4·6, tail 2·35, tarsus 1, middle toe and claw 0·8.

Adult female. Similar to the male, but with the markings not so well developed, especially the black markings of the face and the black bands on the hind-neck and fore-neck, the latter being much mixed with brown: "bill black; feet pale flesh-colour; iris dark brown; ring round the eye bright yellow" (*E. Hartert*). Total length 6·5 inches, culmen 0·65, wing 4·6, tail 2·35, tarsus 1.

Young. Differs from the adults in wanting the black on the head, as well as the black collars on the mantle and fore-neck; the general tone of the plumage is more rufescent than in the adults, and the

whole of the upper surface is varied with wavy lines of pale sandy buff, before which is a sub-terminal dusky bar; the forehead is pale sandy buff; ear-coverts dusky blackish; the collar on the fore-neck is composed of brown feathers, with generally a tinge of sandy buff on the throat. The black markings on the head and the black collars are gained by a moult in the following spring. There appears to me to be also a change of feather, especially on the neck-collar.

I regret to say that I am unable to follow Colonel Legge in recognizing *Æ. jerdoni* as distinct from *Æ. curonicus*, and for the purpose of comparison, I have given the measurements of the large series of skins possessed by the British Museum, but, as Mr. Seebohm says, "tropical examples completely intergrade with those from temperate regions." Neither do I find much difference in the extent of the black frontal line, or of the swollen eye-ring, which Colonel Legge considers to be specific characters for the Indian species; the only character which I can admit, and this, too, is a variable one, is the more distinct yellow base to the under mandible, which is invariably present in the adult breeding birds from the Indian region, but is absent or only feebly developed in European specimens.

Hab. Europe generally, except the northern parts, across Siberia to Japan, wintering in North-eastern Africa, India, the Moluccas, even to New Guinea and the adjacent islands. Accidental in Great Britain and western North America.

a. ♀ ad. sk. [w. 4·7].	Freshwater, Isle of Wight, Aug. (*H. Rogers*).	Seebohm Coll.
b. Pull. sk.	Europe.	Gould Coll.
c. Ad. sk. [w. 4·35].	Holland.	J. Gould, Esq.
d. Ad. sk. [w. 4·75].	Germany.	Tweeddale Coll.
e. ♂ ad.; *f*, *g*. Juv. sk. [w. 4·65].	Germany.	Hume Coll.
h. ♀ ad. sk. [w. 4·75].	Germany.	Gould Coll.
i. ♀ ad. sk. [w. 4·45].	Halle, Aug.	Hume Coll.
k. ♀ ad. sk. [w. 4·55].	Wesel, Rhine, May 24.	E. Hartert, Esq. [C.].
l. Ad. sk. [w. 4·25].	Vienna.	Sharpe Coll.
m. Ad. sk. [w. 4·6].	Transylvania.	C. G. Danford, Esq. [P.].
n–*q*. ♂ ad.; *r*. ♀ ad. sk. [w. 4·5–4·6].	Hungary, May 25.	Hungarian National Museum [P.].
s. ♀ ad. sk. [w. 4·4].	S.E. Russia.	Seebohm Coll.
t. ♂ ad. sk. [w. 4·5].	Near Constantinople, May 7 (*T. Robson*).	Tweeddale Coll.
u. ♀ ad. sk. [w. 4·4].	Piedmont, Italy, May (*T. Salvadori*).	Tweeddale Coll.
v, *w*. Ad. sk. [w. 4·3–4·5].	Malta, April, Sept. (*C. Wright*).	Tweeddale Coll.
x. ♀ ad. sk. [w. 4·6].	Malta, April (*C. W.*).	Hume Coll.
y, *z*. Ad. sk. [w. 4·35–4·4].	Granada, Spain, Oct. (*H. Saunders*).	Tweeddale Coll.
a', *b'*. ♂ ad.; *c'*. ♀ ad. sk. [w. 4·6–4·65].	Gibraltar, March.	Colonel Irby [P.].

d. ♂ ad. sk. [w. 4·55].	Biskra, Algeria, May 5 (*C. Dixon*).	Seebohm Coll.
e, *f*. Ad. et juv. sk. [w. 4·75].	River Gambia.	Governor Rendall.
g. Juv. sk. [w. 4·6].	Dakar, Senegal (*L. Laglaize*).	Seebohm Coll.
h. Juv. sk. [w. 4·35].	Cape Verd, Senegal.	L. Laglaize [C.].
i, *k*. ♂ ad. sk. [w. 4·45].	Lado, Equatorial Africa, April.	Emin Pasha [P.].
l. Imm. sk. [w. 4·7].	Socotra.	Prof. I. B. Balfour [C.].
m. ♂ imm. sk. [w. 4·65].	Amba, Samhar, Aug. 21 (*W. Jesse*).	Tweeddale Coll.
n. ♂ imm. sk. [w. 4·5].	Egypt, March 12.	Capt. Shelley [P.].
o, *p*. Ad. sk. [w. 4·3].	Egypt (*E. Larking*).	Gould Coll.
q. ♀ ad. sk. [w. 4·35].	Palestine.	Canon Tristram [C.].
r. Ad. [w. 4·55]; *s*, *t*, *u*. Juv. sk.	Fao, Persian Gulf, Aug., Sept.	W. D. Cumming, Esq. [P.].
v. Imm. sk. [w. 4·55].	Muscat.	Colonel Miles [P.].
w. ♂ ad. sk. [w. 4·6].	Near Tehran, Persia, March 28.	Sir O. St. John [C.].
x. ♂ ad. sk.	Resht, Caspian Sea, Nov.	Sir O. St. John [C.].
y. Ad. sk. [w. 3·95].	Rajkote, Kathiawar, June 25.	Major Hayes Lloyd [P.].
z. ♀ ad. sk. [w. 4·25].	Deesa, Nov. 4 (*E. A. Butler*).	Hume Coll.
a', *b'*. ♀ juv. sk. [w. 4·5–4·55].	Jodhpur, Sept. (*G. King*).	Hume Coll.
c', *d'*. ♀ ad. [w. 4·3–4·55]; *e'*. ♀ juv. sk.	Jodhpur, Feb. (*A. O. H.*).	Hume Coll.
f, *g*. ♂ ad. et juv. [w. 4·35–4·45]; *h*, *i*. ♀ ad. et juv. sk. [w. 4·15–4·4].	Sambhur, Oct., Dec. (*R. M. Adam*).	Hume Coll.
k'. ♂ ad. sk. [w. 4·35].	Lawrencepur, Punjab, Feb. 20 (*R. G. W. R.*).	Tweeddale Coll.
l', *m'*. Ad. sk. [w. 4·45–4·65].	Sirsa Distr., Punjab, May.	Hume Coll.
p'. ♂ ad. sk. [w. 4·45].	Rembara River, Cashmere, May 15 (*W. E. Brooks*).	Hume Coll.
q, *r*, *s*. ♂ ad. [w. 4·45–4·7]; *t'*, *u'*. ♀ ad. [w. 4·3–4·5]; *v*, *w*, *x*. Juv. sk.	Gilgit, April, May, Aug. to Oct.	Colonel Biddulph [C.].
y'. ♂ ad. sk. [w. 4·2].	Kumaon Bhabur, March 20 (*G. King*).	Hume Coll.
z'. Ad. sk. [w. 4·35].	Dehra Dhoon.	Hume Coll.
a'', *b''*. Ad. sk. [w. 4·2].	Bareilly (*Featman*).	Hume Coll.
c'', *d''*. Ad. sk. [w. 4·3–4·6].	Siberia, April, May.	Moscow Museum.

^{3}. Ad. sk. [w. 4·6].	Kashgar (*Dr. Bellew*).	India Museum.
f^3. ♀ ad. sk. [w. 4·65].	Yarkand, April 24 (*J. Scully*).	Hume Coll.
g^3. ♀ ad. sk. [w. 4·5].	Tirphul, Northern Afghanistan, April 20.	Dr. Aitchison [C.].
h^3, i^3. Ad. sk. [w. 4·5].	Candahar (*Griffith*).	India Museum.
k^3. ♂ ad. sk. [w. 4·7].	Candahar, April 23 (*Sir O. St. John*).	Hume Coll.
l^3. ♀ ad. sk. [w. 4·6].	Candahar, Feb. 21.	Colonel Swinhoe [P.].
m^3. ♂ ad. sk. [w. 4·5].	Chaman, April 7.	Colonel Swinhoe [P.].
n^3. ♂ ad. sk. [w. 4·35].	Chaman, Aug. 7 (*Sir O. St. John*).	Hume Coll.
o^3. ♂ ad. sk. [w. 4·6].	Quetta, May 10.	Colonel Swinhoe [P.].
p^3. ♀ ad. sk. [w. 4·5].	Gwader, Mekran Coast, Feb. 18 (*A. O. H.*).	Hume Coll.
q^3. ♀ ad. sk. [w. 4·75].	Kulugan, Baluchistan, March 12.	W. T. Blanford, Esq. [C.].
r^3. ♀ ad. sk. [w. 4·6].	Sehwan, Sindh, Jan. 22 (*A. O. H.*).	Hume Coll.
s^3. ♀ ad. sk. [w. 4·35].	River Jhelum, Nov. 22 (*A. O. H.*).	Hume Coll.
t^3, u^3. ♂ ad. sk. [w. 4·15–4·4].	Bhawulpur, Feb. (*C. H. T. Marshall*).	Seebohm Coll.
v^3, w^3. ♀ ad. sk. [w. 4·3–4·45].	Bhawulpur, Feb.	Hume Coll.
x^3, y^3, z^3. ♂ ♀ imm. sk. [w. 4·5–4·55].	Karachi, March 29 (*E. A. Butler*).	Hume Coll.
a^4. Ad. sk. [w. 4·5].	Kutch, Feb. (*F. Stoliczka*).	Hume Coll.
b^4. Ad. sk. [w. 4·5].	Rohtuk Distr., Feb. 16 (*A. O. H.*).	Hume Coll.
c^4–e^4. ♂ ad. [w. 4·2–4·5]; f^4, g^4. ♀ ad. et juv. [w. 4·6] sk.	Sultanpur, Gurgaon Distr., Oct., Jan. (*W. N. Chill*).	Hume Coll.
h^4. ♀ ad. sk. [w. 4·35].	Delhi, Feb. 20 (*C. T. Bingham*).	Hume Coll.
i^4–l^4. ♂ ad. [w. 4·25–4·55]; m^4–p^4. ♀ ad. [w. 4·1–4·65]; q^4, r^4. ♀ juv. sk.	Etawah, Aug. to March.	Hume Coll.
s^4–u^4. Ad. [w. 4·1–4·45]; v^4, w^4. Juv. sk.	Etawah, Sept. to Jan.	Hume Coll.
x^4. Ad. sk. [w. 4·45].	Gwalior—Cawnpore.	Tweeddale Coll.
y^4, z^4. Ad. sk. [w. 4·0–4·25].	Cawnpore, May (*W. E. Brooks*).	Hume Coll.
a^5–h^5. ♂ ad. et imm. [w. 4·05–4·55]; i^5–u^5. ♀ ad. et imm. sk. [w. 4·1–4·7].	Allahabad, Dec. to Feb.	Hume Coll.
v^5. ♀ ad. sk. [w. 4·25].	Futtehgurh, April 5 (*W. E. Brooks*).	Hume Coll.
w^5, x^5. ♂ ♀ juv. sk. [w. 4·4–4·5].	Mogul Serai, Sept. 11 (*W. E. Brooks*).	Hume Coll.

g^1. z^1. ♂ ad. (w. 4·25); a^2, b^2. ♀ ad. sk. (w. 4·3).	Nepal Valley, Dec., April, May (*J. Scully*).	Hume Coll.
c^2, d^2. Ad. sk. (w. 4·45–4·45).	Nepal.	Hodgson Coll.
e^2 g^2. Ad. sk. (w. 4·15 4·2).	Nepal (*B. H. Hodgson*).	India Museum.
h^2. Ad. sk. (w. 4·2).	Darjiling (*Colonel Sharpe*).	Seebohm Coll.
i^2. Ad. sk. (w. 4·1).	Buxa Doars, Jan. (*L. Mandelli*).	Hume Coll.
k^2. Ad. sk. (w. 4·15).	Bhotan Doars, Jan. (*L. Mandelli*).	Hume Coll.
l^2. Ad. sk. (w. 4·0).	Assam (*McClelland*).	India Museum.
m^2. ♀ imm. sk. (w. 4·05).	Assam, Feb. (*A. W. Chennell*).	Tweeddale Coll.
n^2. ♀ juv. sk. (w. 4·4).	Bramahpootra River, Dec. 2 (*W. Davison*).	Hume Coll.
o^2, p^2. ♂ ♀ ad. sk. (w. 4·4 4·45).	Manipur, March (*A. O. H.*).	Hume Coll.
q^2. ♀ juv. sk. (w. 4·4).	Magua River, March 21 (*A. O. H.*).	Hume Coll.
r^2. ♂ ad. sk. (w. 4·5).	Eastern Sylhet, Jan. 25 (*A. O. H.*).	Hume Coll.
s^2, t^2. ♂ ad. sk. (w. 4·45–4·35).	Faridpur, April, May (*J. R. Cripps*).	Hume Coll.
u^2. Ad. sk. (w. 4·45).	Dacca.	Hume Coll.
v^2, w^2. ♂ ad. (w. 4·45 4·3); x^2, y^2, z^2. ♀ ad. sk.	Patna, Feb. 9 (*W. E. Brooks*).	Hume Coll.
a^3. ♀ juv. (w. 4·2); b^3. ♂ ad. sk. (w. 4·1).	Assensole, Jan. 7 (*W. E. Brooks*).	Hume Coll.
c^3. ♀ ad. sk. (w. 4·1).	Chunar, Nov. 17 (*W. E. Brooks*).	Hume Coll.
d^3. ♀ ad. (w. 4·2); e^3, f^3. ♂ ♀ ad. sk. (w. 4·3 4·5).	Dinapur, Nov. (*W. E. Brooks*).	Hume Coll.
g^3. Ad. (w. 4·45–4·0). A, h^3. Juv. sk.	Behar.	Hodgson Coll.
i^3, j^3. Ad. (w. 4·0–4·5). m^3–p^3. ♂ juv. (w. 4·1–4·5); q^3, r^3. ♀ juv. sk.	Calcutta, Dec., Jan. (*A. O. H.*).	Hume Coll.
s^3. Imm. sk. (w. 4·4).	Calcutta, Feb. (*R. C. Beavan*).	Tweeddale Coll.
t^3, u^3. Imm. sk. (w. 4·5–4·6).	Calcutta, Feb.	Colonel Biddulph [C.].
v^3, w^3. Ad. sk. (w. 4·2 4·3).	Manbhoom, Dec., March (*R. C. Beavan*).	Gould & Tweeddale Colls.
x^3, y^3. Ad. sk. (w. 4·3).	Jubbulpur.	Tweeddale Coll.
z^3. Ad. sk. (w. 4·3).	Saugor.	Hume Coll.
a^4. ♀ ad. sk. (w. 4·4).	Mhow, March 1.	Colonel Swinhoe [P.].
b^4–f^4. ♂ ad. (w. 4·1 4·3). g^4, h^4. ♀ ad. (w. 4·2–4·25); i^4. Pull. sk.	Khandeish, Nov. to May (*J. Davidson*).	Hume Coll.

k^8–m^8. Ad. sk. [w. 4·2–4·35].	Deccan (*Sykes*).	India Museum.
n^8. ♀ ad. sk. [w. 4·55].	Badrachellum, Godavery River, Feb. 16.	W. T. Blanford, Esq [P.].
o^8. ♀ ad. sk. [w. 4·7].	Cochin, Madras, Dec. 28 (*F. Day*).	Hume Coll.
p^8, q^8. Ad. sk. [w. 4·4–4·6].	Madras.	Rev. H. H. Baber [P.].
r^8. ♀ ad. sk. [w. 4·5].	Mangalore, April 25 (*F. Day*).	Hume Coll.
s^8. Ad. sk. [w. 4·4].	Bangalore, April 3 (*R. G. W. R.*).	Tweeddale Coll.
t^8. ♂ ad. sk. [w. 4·15].	Ahmednuggur, June 8 (*S. B. Fairbank*).	Tweeddale Coll.
u^8. ♀ ad. sk. [w. 4·1].	Ahmednuggur, April (*H. J. Bruce*).	Hume Coll.
v^8, w^8. Ad. sk. [w. 4·0].	Mysore (*R. G. W. R.*).	Tweeddale Coll.
x^8. ♂ imm. sk. [w. 4·4].	Vingorla, S. Konkan, Feb. 20 (*G. Vidal*).	Hume Coll.
y^8. ♀ imm. sk. [w. 4·3].	Vingorla.	Tweeddale Coll.
z^8, a^9. Ad. sk. [w. 4·6–4·65].	Coorg.	Tweeddale Coll.
b^9. ♂ ad. sk. [w. 4·0].	N.E. Ceylon, Aug. 4.	Colonel Legge [P.].
c^9. Ad. sk. [w. 4·4].	Elephant Point, Burma, Dec. 10 (*J. Armstrong*).	Hume Coll.
d^9. Ad. sk. [w. 4·25].	Thayetmyo.	Tweeddale Coll.
e^9, f^9. ♂ ad. [w. 4·4]; g^9. Juv. sk.	Pegu, March, Aug., Sept. (*E. W. O.*).	Oates Coll.
h^9. ♂ ad. [w. 4·05–4·25]; i^9, k^9. ♀ ad. sk.	Tonghoo, Nov., Jan., April (*R. G. W. R.*).	Tweeddale Coll.
l^9. ♂ ad. sk. [w. 4·3].	Rangoon, Dec. 13 (*R. G. W. R.*).	Tweeddale Coll.
m^9. ♂ imm. sk. [w. 4·35].	Bhamo, Upper Burmah, Feb.	Dr. J. Anderson [C.].
n^9. Ad. sk. [w. 4·25].	Mungla, May 22.	Dr. J. Anderson [C.].
o^9–r^9. ♂ ♀ ad. [w. 4·0–4·55]; s^9, t^9. ♀ ad. sk. [w. 4·5–4·65].	Thatone, Nov., Dec. (*W. Davison*).	Hume Coll.
u^9. ♀ juv. sk. [w. 4·6].	Theinzeik, Dec. 21 (*W. Davison*).	Hume Coll.
v^9. ♀ ad. sk. [w. 4·55].	Moulmein, Feb. 24 (*W. Davison*).	Hume Coll.
w^9, x^9. ♂ ad. sk. [w. 4·25–4·3].	Assoon, April (*W. Davison*).	Hume Coll.
y^9, z^9. ♂ ad. [w. 4·55–4·7]; α, β. ♀ ad. [w. 4·4–4·7]; γ. Juv. sk.	Tavoy, March, April, Jan. (*W. Davison*).	Hume Coll.
δ. ♂ ad. sk. [w. 4·6].	Yeaboo, March 9 (*W. Davison*).	Hume Coll.
ϵ, ζ. ♂ imm.; η. ♀ imm. sk. [w. 4·35–4·6].	Mergui, Jan., Nov. (*W. Davison*).	Hume Coll.

θ, ι. ♀ juv. sk. [w. 4·5–4·7].	Pakchan, Jan., Feb. (*W. Davison*).	Hume Coll.
κ, λ. Juv. sk. [w. 4·55 4·65].	S. Andamans, Jan., Feb. (*W. Davison*).	Hume Coll.
μ. ♂ juv. sk. [w. 4·45].	Aberdeen, S. Andamans, Dec. 25 (*W. Davison*).	Hume Coll.
ν, ξ. o. ♀ imm. sk. w. 4·4 4·5].	Tonka, Jan. (*J. Darling*).	Hume Coll.
π, ρ. ♂ ad. [w. 4·45 4·7]; σ. ♂ imm. sk.	Salang, Feb. (*J. Darling*).	Hume Coll.
τ. Juv. sk. [w. 4·25].	Malacca (*Cantor*).	India Museum.
υ. Ad. sk. [w. 4·6].	Malacca (*R. G. W. R.*).	Tweeddale Coll.
φ, χ ad.; χ, ψ. Juv. sk. w. 4·4 4·6].	Singapore Island, Nov. (*W. Davison*).	Hume Coll.
ω. Ad. sk. [w. 4·4].	Java (*Horsfield*).	India Museum. (Type of *Charadrius pusillus.*)
α. Juv. sk. [w. 4·45].	Labuan, Dec.	A. H. Everett, Esq. [C.].
β. Juv. sk. [w. 4·45].	Sarawak.	A. H. Everett, Esq. [C.].
γ, δ. Juv. sk. [w. 4·3 4·45].	Sibu, Sarawak.	A. H. Everett, Esq. [C.].
ε, ζ, η ad. et juv. sk. w. 4·3–4·6].	San Mateo, Luzon, Feb. (*A. H. Everett*).	Tweeddale Coll.
λ. ♀ juv. sk. [w. 4·35].	N. Bohol, Feb. (*A. H. Everett*).	Tweeddale Coll.
μ, ξ. ♂ ad. [w. 4·3]; o, π. ♀ ad. sk.	S. Leyte, Oct. (*A. H. Everett*).	Tweeddale Coll.
ρ. ♂ ad. sk. [w. 4·6].	Panay, Jan. (*E. Moseley*).	Steere Expedition.
σ. Juv. sk. [w. 4·1].	New Britain.	Rev. G. Brown [C.].
τ, υ, ♂ ♀ ad. sk. w. 4·4 4·55].	Seoul, Corea, May.	C. W. Campbell, Esq. [P.].
φ, ♂ ad. sk. [w. 4·2].	Hakodadi, Japan, April (*Blakiston*).	Seebohm Coll.
χ. Ad. sk. w. 4·45].	Yokohama (*H. Pryer*).	Seebohm Coll.
ψ. Juv. sk. w. 4·3].	Liu-kiu Islands, Dec. (*H. Pryer*).	Seebohm Coll.
ω, α, ♂ ♀ ad. sk. w. 4·25 4·4].	Shanghai, April, May (*R. Swinhoe*).	Seebohm Coll.
β, ♂ ad. sk. w. 4·4].	Shanghai, March 17.	Seebohm Coll.
γ. Imm. sk. [w. 4·4].	Hankow (*R. Swinhoe*).	Seebohm Coll.
δ. Ad. sk. w. 4·4].	Chusan (*J. R. Reeves*).	Gould Coll.
ε, ζ. Ad. sk. [w. 4·4 4·5].	Amoy, Feb., May (*R. S.*).	Seebohm Coll.
η. Juv. sk. [w. 4·5].	Amoy, Nov. (*R. S.*).	Hume Coll.
θ, ι. Juv. sk. [w. 4·2 4·5].	Canton.	Tweeddale Coll.
κ. Juv. sk. w. 4·3].	Formosa, Dec. (*R. S.*).	Seebohm Coll.
λ, μ. Skulls.	S. Germany.	Dr. Gunther [C.].

4. Ægialitis peroni.

Charadrius alexandrinus (*nec Linn.*), *Motley & Dillwyn, Nat. Hist. Labuan*, p. 57 (1855).

Charadrius peroni, *Bp. C. R.* xliii. p. 417 (1856); *Schl. Mus. Pays-Bas*, Cursores, p. 33 (1865: Java; Semao; Borneo); *Gray, Hand-l. B.* iii. p. 16, no. 10005 (1871); *Seebohm, Geogr. Distr. Charadr.* p. 166 (1888).

Charadrius philippinus, *Pelz. Reis. Novara, Vög.* p. 116 (1865).

Ægialitis peroni, *Swinh. P. Z. S.* 1870, p. 139; *Wald. Trans. Zool. Soc.* viii. p. 90, pl. x. fig. 2 (1872); *Salvad. Ucc. Born.* p. 315 (1874); *Tweedd. P. Z. S.* 1878, p. 344 (S. Leyte), p. 711 (N. Bohol); *Meyer, Ibis*, 1879, p. 141 (Limbotto, July); *Vorderm. Nat. Tijdschr. Nederl. Ind.* xliv. p. 204 (1884: Java); *Guillem. P. Z. S.* 1885, p. 417; *Everett, Journ. Straits Branch As. Soc.* 1889, p. 205; *Vorderm. Nat. Tijdschr. Nederl. Ind.* xlix. p. 415 (1889: Sumatra); *Whitehead, Ibis*, 1890, p. 58 (Palawan, resident); *Steere, List Birds & Mamm. Exped. Philipp.* p. 25 (1890: Mindanao; Siquijor; Negros); *Sharpe, Ibis*, 1890, p. 142 (Pulo Tega, N. Borneo); *id. Ibis*, 1894, p. 243 (Sibutu).

Adult male. General colour above light ashy brown, darker on the rump and central upper tail-coverts, the sides of the rump and lateral upper tail-coverts pure white; wing-coverts like the back, with a band of dark sepia-brown along the marginal coverts; greater coverts broadly tipped with white; bastard-wing and primary-coverts dark brown, with white tips; quills light brown, blackish on the outer web and at the tips, the shafts conspicuously white, the inner primaries white towards the base of the outer web; secondaries dark brown, white at the ends of the outer web, increasing in extent towards the innermost, the long inner secondaries like the back; the four centre tail-feathers dark brown, the next pair smoky brown, the next pair white with a little smoky brown at the ends, the remainder pure white; crown of head rufous, with a nuchal collar of pure white, this collar followed by a broad black band on the hind-neck overspreading the mantle; forehead white, reaching to above the eye and separated from the rufous of the crown by a tolerably broad band of black; a distinct loral streak of black; sides of face and ear-coverts with a black band along the upper margin of the latter; cheeks and under surface of body pure white, with a large black patch on each side of the fore-neck; under wing-coverts and axillaries white; quills below ashy grey: "bill black, orange at base; feet grey, the claws black; iris warm chocolate-brown; orbital ring pure orange" (*A. H. Everett*). Total length about 6 inches, culmen 0·65, wing 3·75, tail 1·55, tarsus 1·05, middle toe and claw 0·8.

Adult female. Similar to the male, but without the black band across the forehead; the black on the mantle and hind-neck represented by dark brown mixed with rufous, while the black patch at the side of the fore-neck is replaced by dark brown mixed with rufous, with a tinge of the latter colour spreading across the fore-neck: "bill black, the base yellowish; feet purplish grey; iris dark brown" (*A. H. Everett*). Total length 5·5 inches, culmen 0·65, wing 4, tail 1·5, tarsus 1·05.

In some specimens, apparently very old males, the black band is continued right across the fore-neck.

Young birds resemble the adults, but have no facial black markings or any black or rufous on the mantle or sides of the chest, the whole

of the upper surface being uniform ashy brown, with broad sandy-buff margins.

Hab. Indo-Malayan Archipelago, from Java to the Philippines, Borneo, and Celebes.

a. ♂ ad. sk.	Java.	Seebohm Coll.
b, *c*, *d*. Ad. sk.	Labuan.	A. H. Everett, Esq. [C.]
e, *f*, *g*. Ad. et juv. sk.	Labuan.	Sharpe Coll.
h, *i*. Ad. sk.	Tega Island, April.	A. H. Everett, Esq. [C.].
k. ♀ ad. sk.	Mengalan Island, April 4.	A. H. Everett, Esq. [C.].
l, *m*. ♂ ♀ ad. sk.	Sarawak.	Wallace Coll.
n. Ad. sk.	Banjarmassing (*J. Motley*).	Wallace Coll.
o. ♀ ad. sk.	N. Bohol, Oct. (*A. H. Everett*).	Tweeddale Coll.
p. ♂ ad. sk.	Placer, Mindanao, July (*A. H. Everett*).	Tweeddale Coll.
q. Ad. sk.	S. Leyte, Oct. (*A. H. E.*).	Tweeddale Coll.
r. Ad. sk.	Menado, Celebes (*A. R. W.*).	Wallace Coll.

5. Ægialitis alexandrina.

The Kentish Plover.

Charadrius alexandrinus, *Linn. Syst. Nat.* i. p. 258 (1766); *Gm. Syst. Nat.* i. p. 683 (1788); *Pall. Zoogr. Rosso-Asiat.* ii. p. 143 (1811: between Onon and Argun Rivers; Dauria; Yenesei); *Sander. Sc. Fugl.* pl. 37. fig. 4 (1856-72); *Hartert, Ibis*, 1892, p. 516 (E. Prussia).

Charadrius cantianus, *Lath. Ind. Orn., Suppl.* p. lxvi (1801); *Temm. Man. of Orn.* p. 331 (1815); *Vieill. N. Dict. d'Hist. Nat.* xxvii. p. 144 (1818); *Temm. Man. d'Orn.* 2nd ed. p. 544 (1820); *Roux, Orn. Prov.* pl. 277 (1825); *Werner, Atlas, Courcurs*, pl. 8 (1827); *Menetr. Cat. Rais. Casp.* p. 53 (1832); *Naum. Vog. Deutschl.* vii. pl. 176 (1834); *Gould, B. Eur.* iv. pl. 208 (1837); *Macgill. Man. Brit. B.* ii. p. 53 (1840); *Nordm. in Demid. Voy. Russ. Merid.* iii. p. 253 (1840); *Selys-Longch. Faun. Belg.* p. 120 (1842); *Schl. Rev. Crit.* p. lxxxii (1844); *Heuvits. Eggs Brit. B.* ii. p. 257, pl. lxx. fig. 3 (1846); *Gray, Gen. B.* iii. p. 544 (1847); *Thomps. B. Ire.* ii. p. 104 (1850); *Macgill. Brit. B.* iv. p. 125 (1850); *Kjærb. Danm. Fugle*, pl. 30. fig. 6 (1852); *Schl. Vog. Nederl.* p. 215 (1854); *Bp. C. R.* xliii. p. 417 (1856); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 148 (1859); *Pleske, Ibis*, 1890, p. 339 (Corfu and Epirus); *Schl. Dier. Nederl. Vogels*, pl. 21. figs. 7, 8 (1861); *Gray, List Brit. B.* p. 141 (1863); *Radde, Reis. Sibir., Vog.* p. 324 (1863: Tarei-nor); *Schl. Mus. Pays-Bas*, Cursores, p. 31 (1865); *Deyl. et Grube, Orn. Eur.* ii. p. 138 (1867); *Locke, Lepid. N. Alger., Ois.* ii. p. 270 (1867); *Layard, B. S. Afr.* p. 288 (1867); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1035 (1874: Red Sea, Gulf of Aden; Dahlak Archip.); *Fallon, Ois. Belg.* p. 152 (1875); *Radde, Orn. Cauc.* pp. 44, 418 (1884: Caspian); *Buttik. Notes Leyd. Mus.* vii. p. 237 (1885: W. Liberia); *Seebohm, Hist. Brit. B.* iii. p. 25, pl. 26. figs. 7-9 (1885); *id. Geogr. Distr. Charadr.* p. 108 (1888); *Buttik. Notes Leyd. Mus.* xi. p. 136 (1889); *Styan, Ibis*, 1891, p. 320 (Lower Yangtse, winter); *Hartl. Abhandl. nat. Ver. Bremen*, xii. p. 331 (1892: Tientsin); *Seebohm, Ibis*, 1892, p. 23 (Helgoland); *Campbell, t. c.* p. 246 (Corea); *Seebohm, Ibis*, 1893, p. 53 (Liu Kiu Is., Feb.); *Styan, t. c.* p. 426 (Hainan).

Charadrius albifrons, *Wolf & Meyer, Vög. Deutschl.* Heft 15, cum tab. (1805); *Wagl. Syst. Av.*, Charadrius, p. 33, sp. 32 (1827).

Charadrius littoralis, *Bechst. Naturg. Deutschl.* iv. p. 430 (1809); *Finsch & Hartl. Vög. Ostafr.* p. 652 (1870); *Finsch, Verhandl. z.-b. Ges. Wien*, xxix. p. 246 (1879: Sassyk-Ala-Kul).

Ægialitis cantianus, *Boie, Isis*, 1822, p. 558; *Bp. Comp. List B. Eur. & N. Amer.* p. 45 (1838); *Crespon, Orn. Gard*, p. 364 (1840); *Keys. & Blas. Wirb. Eur.* p. 208 (1840); *Mühle, Beitr. Orn. Griechenl.* p. 96 (1844); *Brehm, Vogelf.* p. 283 (1855); *Heugl. Syst. Uebers.* p. 56 (1856); *Linderm. Vög. Griechenl.* p. 134 (1860); *Swinh. Ibis*, 1860, p. 63 (Amoy); *Tristr. t. c.* p. 78 (Sahara); *Swinh. t. c.* p. 429 (Lam-yit Isl.); *id. Ibis*, 1861, p. 51 (Hong Kong), 1862, p. 255 (Foochow); *Blakist. t. c.* p. 330 (Hakodadi); *Swinh. P. Z. S.* 1863, p. 310; *id. Ibis*, 1863, p. 405; *Jerd. B. Ind.* iii. p. 640 (1864); *Dresser, Ibis*, 1865, p. 315; *Godm. Ibis*, 1866, pp. 100, 107 (Azores); *Lilford, t. c.* p. 184 (Tagus); *Taylor, Ibis*, 1867, p. 68 (Cairo); *Blyth, t. c.* p. 164; *Tristr. Ibis*, 1868, p. 323 (Palestine); *Borggr. Vogelf. Norddeutschl.* p. 110 (1869); *Doderl. Avif. Sicil.* p. 177 (1869); *Saunders, Ibis*, 1869, p. 182 (Spain); *Godman, Azores*, p. 32 (1870); *Harting, Ibis*, 1870, p. 208; *Elwes & Buckley, t. c.* p. 386 (Bulgarian Coast); *Swinh. P. Z. S.* 1870, p. 138, 1871, p. 404; *Gray, Hand-l. B.* iii. p. 17, no. 10020 (1871); *Salvad. Faun. Ital. Ucc.* p. 206 (1871); *Gurney, Ibis*, 1871, p. 298 (Laghouat); *Saunders, t. c.* p. 386 (Aranjuez); *Shelley, B. Egypt*, p. 240 (1872); *Severtz. Turkest. Jevotn.* p. 69 (1873); *Brooke, Ibis*, 1873, p. 337 (Sardinia); *Lilford, Ibis*, 1875, p. 26; *Swinh. t. c.* p. 452 (Hakodadi); *Irby, Orn. Straits Gibr.* p. 162 (1875); *Dresser, B. Eur.* vii. p. 483, pl. 523 (1876); *id. Ibis*, 1876, p. 328; *Blanf. East. Persia*, ii. p. 279 (1876); *Tacz. Bull. Soc. Zool. France*, i. p. 248 (1876); *David & Oust. Ois. Chine*, p. 430 (1877); *Tweedd. P. Z. S.* 1878, p. 624 (Palawan); *Blakist. & Pryer, Ibis*, 1878, p. 218 (Japan); *Bogd. B. Cauc.* p. 152 (1879); *Legge, B. Ceylon*, p. 947 (1880); *Biddulph, Ibis*, 1881, p. 94 (Gilgit, Sept.); *Swinh. Ibis*, 1882, p. 120 (Kandahar, winter); *Seebohm, t. c.* p. 222 (Kirghiz Steppes, summer); *Severtz. Ibis*, 1883, p. 73 (Ferghana, Pamir); *Oates, Handb. B. Brit. Burm.* ii. p. 369 (1883); *B. O. U. List Brit. B.* p. 158 (1883); *Saunders, ed. Yarrell's Brit. B.* iii. p. 267 (1883); *Tristr. Faun. & Flor. Palest.* p. 130 (1884); *Murray, Vertebr. Faun. Sind*, p. 227 (1884); *Salvad. Ann. Mus. Gen.* (2) i. p. 218 (1884: Shoa); *Sharpe, Ibis*, 1884, p. 322 (S. Palawan); *Saunders, t. c.* p. 389 (Pyrenees); *Sharpe, ed. Layard's B. S. Afr.* p. 659 (1884); *Whitehead, Ibis*, 1885, p. 41 (Corsica); *Swinh. & Barnes, t. c.* p. 132 (Mhow distr.); *Salvad. Elenco Ucc. Ital.* p. 213 (1886); *Gigl. Avif. Ital.* p. 372 (1886); *Tait, Ibis*, 1887, p. 385 (Portugal); *Guillem. Ibis*, 1888, p. 113 (Cyprus); *Sharpe, t. c.* p. 203 (Palawan); *Chapm. t. c.* p. 449 (Spain); *Buckley & Harvie-Brown, Vertebr. Faun. Outer Hebr.* p. 125 (1888); *Koenig, J. f. O.* 1888, p. 84 (Tunis); *Salvad. & Gigl. Mem. R. Accad. Torino*, xxxix. p. 103 (1888); *Hume, Str. F.* xi. p. 314 (1888: Manipur); *Gigl. Avif. Ital.* 1*st Resoc.* p. 571 (1889), 2*nd Resoc.* p. 644 (1890), 3*rd Resoc.* p. 527 (1891); *Saunders, Man. Brit. B.* p. 527 (1889); *St. John, Ibis*, 1889, p. 176 (Kandahar, winter); *Lilford, t. c.* p. 338 (Cyprus); *Eagle Clark, t. c.* p. 559 (East. Pyrenees, breeding); *Whitehead, Ibis*, 1890, p. 58 (Palawan); *Sharpe, t. c.* pp. 142, 284 (Labuan); *Seebohm, t. c.* p. 403 (Ireland, not breeding); *Oates, ed. Hume's Nest & Eggs Ind. B.* iii. p. 337 (1890); *Steere, List Birds & Mamm. Exped. Philipp.* p. 25 (1890: Paragua; Bohol; Panay);

Seebohm, B. Japan. Emp. p. 309 (1880); *Frivaldsky, Av. Hung.* p. 122 (1891); *Madarász, Aquat. Ungar. Vög.* p. 103 (1891); *Sharpe, Ibis*, 1891, p. 113 (Fuo); *id. Sci. Res. 2nd Yark. Miss., Aves*, p. 137 (1891: Karghalik, May); *De La Touche, Ibis*, 1892, p. 496 (Foochow; Swatow, winter); *Barnes, Ibis*, 1893, pp. 170, 181 (Aden); *Meade-Waldo, t. c.* p. 203 (Canary Isl.); *Chapm. Ibis*, 1894, p. 347 (W. Jutland); *Lilford, Col. Fig. Brit. B.* pt. xxx. (1895).

Hiaticula cantiana, *Gray, List Gracil. Brit. Mus.* p. 69 (1844: Nepaul); *Rupp. Syst. Uebers.* p. 118 (1845: Egypt and Red Sea); *Blyth, Cat. B. Mus. As. Soc.* p. 283 (1849).

Ægialitis albifrons, *Brehm, Vog. Deutschl.* p. 551 (1831).

Ægialitis albigularis, *Brehm, Vog. Deutschl.* p. 552 (1831).

The Kentish Plover, *Yarrell, Brit. B.* ii. p. 405 (1843).

Hiaticula elegans, *Licht. Nomencl. Av. Berol.* p. 94 (1854).

Ægialitis cantiacus, *Salvin, Ibis*, 1859, p. 355 (Eastern Atlas); *Irby, Ibis*, 1883, p. 187 (Santander).

? Ægialitis nivosa (*nec Cass.*), *Swinh. Ibis*, 1863, p. 405 (Formosa).

Ægialophilus cantianus, *Gould, Handb. B. Austr.* ii. p. 234 (1865); *Gurney in Anderss. B. Dam. Ld.* p. 272 (1872: Damara-land, Walvisch Bay); *Gould, B. Gt. Brit.* iv. pl. 40 (1873); *Hume, Nests & Eggs Ind. B.* p. 571 (1873); *id. Str. F.* i. p. 230 (1873: Sind); *Adam, t. c.* p. 394 (Sambhur); *Butler, Str. F.* iv. p. 12 (1876: N. Guzerat; Kutch; Kathiawar); *Scully, t. c.* p. 185 (E. Turkestan); *Ball, t. c.* p. 236 (Sumbalpur; Orissa); *Butler, Str. F.* v. p. 232 (1877: Karachi); *Olphe-Gall. Contr. Faun. Orn. Eur. Occid.* fasc. xiii. p. 42 (1890).

Pluvialis cantianus, *Droste, Vogelw. Borkum*, p. 153 (1869).

Ægialitis niveifrons (*nec Cur.*), *Blanf. Geol. & Zool. Abyss.* p. 429 (1870: Massowah).

Charadrius marginatus (*nec V.*), *Finsch, Trans. Zool. Soc.* vii. p. 328 (1870).

Charadrius cantiacus, *Fritsch, Vog. Eur.* tab. 33. fig. 2 (1870); *Seebohm, Ibis*, 1882, p. 380 (Archangel, summer).

Ægialitis dealbatus, *Swinh. Ibis*, 1870, p. 361 (Hainan); *id. P. Z. S.* 1870, p. 138, 1871, p. 404; *David & Oust. Ois. Chine*, p. 431 (1877).

Ægialitis alexandrinus, *Blyth & Wald. B. Burm.* p. 154 (1875); *Stejn. Proc. U.S. Nat. Mus.* v. p. 35 (1882); *Reichen. Syst. Verz. Vog. Deutschl.* p. 51 (1889); *Brusina, Matr. etc* (Orn. Croat.), p. 86 (1890).

Ægialitis cantiana, *Hume, Str. F.* iii. p. 323 (1875: Mergui); *Butler, t. c.* p. 440 (Mt. Aboo); *Swinh. Ibis*, 1875, p. 452 (Hakodadi); *Armstrong, Str. F.* iv. p. 340 (1876: Rangoon distr.); *Hume, t. c.* p. 404 (Laccadives); *Butler, op. cit.* v. p. 290 (1877: Island of Astola); *Hume & Davison, Str. F.* vi. p. 456 (1878: Tenasserim); *Ball, Str. F.* vii. p. 227 (1878: Raipur); *Butler, Cat. B. Sind etc.* p. 433 (1879); *Hume, Str. F.* viii. p. 112 (1879); *Vidal, Str. F.* ix. p. 81 (1880: S. Konkan); *Hume, t. c.* p. 118 (Singapore; Pulo Nongca); *Reid, Str. F.* x. p. 65 (1881: Lucknow); *St. John, Ibis*, 1880, p. 176 (Kandahar, winter); *Whitehead, Ibis*, 1890, p. 58 (Palawan, Sept.); *Sharpe, Ibis*, 1890, pp. 142, 284 (Labuan, Jan.); *Barnes, Ibis*, 1892, p. 170 (Aden, Sept. to April).

Ægialitis placida (*err.*), *teste Severtz. Ibis*, 1883, p. 73, note.

Ægialitis cantiana peroni, *Blakist. Amended List B. Japan*, p. 10 (1884: Yezo & Japan generally).

Charadrius cantianus minor, *Seebohm, Geogr. Distr. Charadr.* p. 169 (1888).

Charadrius cantianus dealbatus, *Seebohm, t. c.* p. 170; *id. B. Japan. Emp.* p. 310 (1890); *Hartl. Abhandl. nat. Ver. Bremen*, xii. p. 331 (1892: Hainan); *Seebohm, Ibis*, 1893, p. 53 (Liu Kiu Islands).

Adult male in breeding-plumage. General colour above pale earthy brown, with faint remains of paler margins to the feathers; wing-coverts like the back, the marginal ones blackish brown, the greater series darker brown, with a narrow white edging to the tip; bastard-wing and primary-coverts dark sepia-brown, the latter fringed with white at the tip; quills sepia-brown, with white shafts to the primaries, which are pale brown on the inner web, the inner primaries for the most part white towards the base of the outer web; the secondaries dusky brown with white tips, the inner ones also white along the margins of both webs, the innermost long secondaries brown like the back; lower back, rump, and upper tail-coverts dark sepia-brown, the lateral ones white, forming a patch on each side; the four centre tail-feathers dark sepia-brown, paler towards the base, and having white shafts to the centre ones, the three outer feathers white, the next ones smoky brown with white shafts; crown of head ashy brown, washed with light tawny rufous, especially distinct towards the nape; hind-neck and sides of neck white, forming a collar; forehead and a distinct eyebrow white, with a broad black band separating the white of the forehead from the brown of the crown; eyelid and loral streak black; feathers below the eye and sides of face white, with a black patch on the hinder ear-coverts; cheeks and under surface of body pure white, with a patch of black on each side of the chest; under wing-coverts and axillaries white; quills below light ashy like the lower primary-coverts: "bill black, with the base of the lower mandible of a dusky flesh-colour; tarsi dusky, toes darker, claws black; iris brown" (*W. Macgillivray*). Total length 6·5 inches, culmen 0·7, wing 4·15, tail 1·7, middle toe and claw 0·7.

Adult female. Similar to the male, but with less rufous on the head, this being represented by a tinge over the eye and round the nape, the black band on the fore part of the crown absent, the black patch on each side of the chest represented by a brown patch with a rufous tinge. Total length 6·5 inches, culmen 0·7, wing 4·3, tail 1·9, tarsus 1·1.

The Kentish Plovers which attain their breeding-plumage in the plains of India are certainly much brighter in colour than any which are seen in Europe. The black forehead and patch at the side of the chest are also strongly developed. Occasionally a rufous tinge overshades the back.

The adult bird in winter plumage differs from the summer plumage in the entire absence of bright rufous on the head, and the black markings on the face and sides of the breast are also not developed. The head is like the back, the forehead and eyebrow are white, the lores dusky, and there is always a more or less distinct white collar united to the two sides of the neck.

Young birds in first winter plumage only differ from the adults in having the whole upper surface distinctly marked with pale edges to the feathers.

Mr. Seebohm has separated "The Tropical Kentish Plover" as *Charadrius cantianus minutus*. The wing is given as from 3·7 to 4·2, and these measurements are confirmed by the series in the British Museum. At the same time, as Mr. Seebohm admits, there is no difference between these two birds, except the smaller size, and he also allows that they intergrade with the typical form. For this reason I do not think that the small race of the Kentish Plover can be maintained. I have added the measurement of the wing in the Museum series to show how completely the large and small forms intergrade. I do not see any advantage in upholding *Ægialitis dealbatus* of Swinhoe, which is supposed to differ by its paler legs. While admitting that most of the Chinese birds differ in this way, there are many birds, also from China, which have dark legs like the ordinary typical form, while it is equally certain that birds from other localities have also pale legs. In one instance I have seen a bird that had one dark leg and one pale one, so that apparently the skin of the leg dries in various colours.

Hab. Europe generally, but not ranging very far north, eastwards through Central Asia to China and Japan, wintering in Africa, the Indian Peninsula, and extending as far south as Australia.

A. *Ægialitis alexandrina*.

a, *b* ♂♀ Ad., *c*, *d* ♂ Pull. *st.*	Dungeness Beach, Kent.	Colonel Irby and Capt. Willoughby Verner P.
e Pull. *st.*	Dungeness Beach.	H. E. Rawson, Esq. P.
g, *h* ♂ ad.; *i*, ♀ ad.; *k*, *l* Pull. *sk.*	Dungeness Beach, May, June (*J. G.*).	Gould Coll.
m, *n* ♂♀ ad. *st.*	Lydd Beach, Kent (*E. Hargitt*).	Harting Coll.
o, *p* ♂ ad. *w.* 4·15, 4·35; *q* ♀ ad. *w.* 4·3; *r* *w.* Juv. *sk.*	Romney Marsh, Kent, May to Sept.	Dr. R. B. Sharpe P.
s, *v* ♂ ad. *sk.* *w.* 4·35, 4·4	Rye Harbour, Sussex, Sept. (*J. E. Harting*)	Seebohm Coll.
z, *a* ♂ ad. *sk.* *w.* 4·15, 4·3	Rye Harbour, May (*P. Godman*).	Salvin-Godman Coll.
b, *c* ♂♀ ad. *st.*	Hastings, Sussex.	Purchased.
d ♂ ad. *st.*	Shoreham, Sussex.	Dr. R. B. Sharpe P.
e ♂ ad. *sk.*	Pagham Harbour, Sussex.	Dr. Günther P.
f, *g* ♂♀ ad. *sk.* *w.* 4·3, 4·2.	South Sweden, May, June (*H. Meves*).	Hume Coll.
h ♂ ad. *st.* pull. *sk.* *w.* 4·1	Holland (*J. Baker*).	Salvin-Godman Coll.
i ♂ ad. *sk.* *w.* 4·4	Mouth of the Seine, France (*E. Hargitt*).	Seebohm Coll.
l, *m* ♂♀ ad. *sk.* *w.* 4·35, 4·4	Valencia, Spain, March (*H. Saunders*).	Tweeddale Coll.
n ♀ ad. *sk.* *w.* 4·3.	Malaga, May 1 (*H. Saunders*)	Tweeddale Coll.

o'–r'. ♂ ♀ ad. sk. [w. 4·25–4·35].	Near Gibraltar, April.	Colonel Irby [P.].
s', *t'*. ♂ ad. sk. [w. 4·3].	Fayal, Azores, June (*F. D. G.*).	Salvin-Godman Coll.
u', *v'*. ♂ ♀ ad. sk. [w. 4·15–4·25].	St. Michaels', Azores, April (*F. D. G.*).	Salvin-Godman Coll.
w'. Ad. sk. [w. 4·4].	Marocco (*Olcese*).	Tweeddale Coll.
x'. Ad. sk. [w. 4·4].	Marocco.	Seebohm Coll.
y'. Ad. sk. [w. 4·4].	Algeria (*H. B. Tristram*).	Hume Coll.
z'. Ad. sk. [w. 4·5].	Tunis.	L. Fraser [C.].
a''. Ad. sk. [w. 4·35].	Sardinia.	Capt. Shelley [P.].
b''. ♂ ad. sk. [w. 4·4].	Missolonghi, Greece, May 30 (*H. S.*).	Seebohm Coll.
c''. Ad. sk. [w. 4·45].	Cape Verd, Senegambia.	L. Laglaise [C.].
d''. ♀ ad. sk. [w. 4·2].	St. Vincent, Cape Verd Islands, July 24 (*J. Macgillivray*).	Voy. H.M.S. 'Rattlesnake.'
e''. Ad. sk. [w. 4·4].	Damara-land (*C. J. Andersson*).	Seebohm Coll.
f''. ♀ ad. sk. [w. 4·35].	Egypt (*H. Rodgers*).	Seebohm Coll.
g''. ♀ ad. sk. [w. 4·25].	Thebes, Egypt (*G. E. Shelley*).	Tweeddale Coll.
h''–l''. ♂ ♀ ad. sk. [w. 4·2–4·4].	Cyprus, April (*H. H. Guillemard*).	Lord Lilford [P.].
m''. ♀ ad. sk. [w. 4·35].	River Volga, June.	Seebohm Coll.
n'', *o''*, *p''*. Imm. sk. [w. 4·3–4·45].	Fao, Persian Gulf, Aug.	W. D. Cumming, Esq. [P.].
q''. ♂ ad. sk. [w. 4·1].	Persian Gulf (*E. A. Butler*).	Hume Coll.
r''. ♂ ad. sk. [w. 4·4].	Ala Kul, Turkestan, May 9.	Dr. O. Finsch [C.].
s''. ♂ ad. sk. [w. 4·3].	Yarkand, April 26 (*J. Scully*).	Hume Coll.
t''–w''. ♂ ♀ ad. sk. [w. 4·25–4·5].	Mekran Coast, Feb., May, Aug. (*A. O. H. & E. A. Butler*).	Hume Coll.
x''. ♂ ad. sk. [w. 4·3].	Gwadar, Baluchistan, Dec.	W. T. Blanford, Esq. [P.].
y''. ♂ ad. sk. [w. 4·3].	Muschid River, Baluchistan.	W. T. Blanford, Esq. [C.].
z'', *a*^{3}. ♂ ad. sk. [w. 4·3].	Candahar, Feb.	Colonel Swinhoe [P.].
b^3. ♂ ad. sk. [w. 4·3].	River Chenab, Sind, Dec. 8 (*A. O. H.*).	Hume Coll.
c^3. ♂ ad. sk. [w. 4·3].	River Jhelum, Nov. 23 (*A. O. H.*).	Hume Coll.
d^3. Ad. sk. [w. 4·25].	Bhawulpur (*G. F. L. Marshall*).	Hume Coll.
e^3, *f*^{3}. ♂ ad. sk. [w. 4·1–4·15].	Karachi, Feb., March (*O. A. H. & E. A. Butler*).	Hume Coll.
g^3, *h*^{3}, *i*^{3}. ♂ ad. sk. [w. 3·9–4·5].	Sambhur, Sept., March (*R. M. Adam*).	Hume Coll.
k^3. ♀ ad. sk. [w. 4·35].	Meerut, Feb. 12.	Col. Biddulph [C.].
l^3. ♀ ad. sk. [w. 4·25].	Gilgit, Aug. 13.	Col. Biddulph [C.].

m^3, n^3, ♂ ad. [w. 4·25 4·15]; o^3, p^3, q^3. ♀ ad. sk. [w. 3·9 4·5].	Gurgaon Distr., Jan., April (*W. N. Chill*).	Hume Coll.
r^3, s^3. ♂ ♀ ad. sk. w. 4·25 4·45.	Umbala, Nov.	Tweeddale Coll.
t^3, u^3, v^3. ♂ ad. [w. 4·3–4·5]; w^3, x^3. ♀ ad. [w. 4·3]; y^3, z^3, a^4. Ad. sk. [w. 4·2 4·3].	Etawah, Nov., Dec. (*A. O. H.*).	Hume Coll.
b^4, c^4. ♂ ad. sk. [w. 4·2 4·3].	Badlee, March 1 (*A. O. H.*).	Hume Coll.
d^4 g^4. Ad. sk. [w. 4·35 4·75].	Oudh, Jan. to March.	Hume Coll.
h^4, i^4. ♂ ad. w. 4·3–4·5; k^4. ♀ ad. sk.	Futtehgurh, March 18 (*A. Anderson*).	Hume Coll.
l^4, m^4. ♂ ad. sk. [w. 4·3 4·4].	Futtehgurh, March (*A. Anderson*).	Seebohm Coll.
n^4 w^4. ♂ ♀ ad. w. 4·2 4·5 et juv. sk.	Allahabad, Dec. to March (*A. O. H. & C. Cockburn*).	Hume Coll.
x^4, y^4, z^4. Ad. sk. [w. 4·35].	Nepal.	Hodgson Coll.
a^5. ♀ ad. sk. [w. 4·5].	Behar.	Hodgson Coll.
b^5. Ad. sk. w. 4·4.	Saugor, Dec.	Hume Coll.
c^5, d^5, e^5. Ad. sk. [w. 4·2].	Raipur, Jan., Oct.	Hume Coll.
f^5. Ad. sk. [w. 4·3].	Deccan (*Burgess*).	Gould Coll.
g^5, h^5. Ad. sk.	Assam (*McClelland*).	India Museum.
i^5. ♂ ad. sk. [w. 4·4].	Akyab, Nov. 1 (*E. W. O.*).	Oates Coll.
k^5, l^5, m^5. ♂ ad. w. 4·2 4·3; n^5. ♀ ad. sk. w. 4·3.	Elephant Point, Dec. (*J. Armstrong*).	Hume Coll.
o^5. ♂ ad. [w. 4·25]; p^5, q^5. ♀ ad. sk. w. 4·5.	Tonghoo, Nov., Dec. (*R. G. W. R.*).	Tweeddale Coll.
r^5, s^5. ♀ ad. sk. [w. 4·15 4·55].	Thatone, Tenasserim, Nov., Dec. (*W. Davison*).	Hume Coll.
t^5, u^5, v^5. ♀ ad. sk. w. 4·3.	Theinzeik, Nov. (*W. Davison*).	Hume Coll.
x^5. ♀ ad. sk. [w. 4·2].	Phagut (*W. Davison*).	Hume Coll.
a^6. ♂ ad. sk. [w. 4·2].	Wippitan, Dec. (*J. Darling*).	Hume Coll.
b^6. ♂ ad. [w. 4·25]; c^6, d^6, e^6. ♀ ad. sk. w. 4·1 4·5.	Amherst, Dec., Jan. (*W. Davison*).	Hume Coll.
f^6, g^6. ♂ ad. sk. [w. 4·1 4·2].	Mergui, Nov., Jan. (*W. Davison*).	Hume Coll.
h^6. ♂ ad. sk. w. 4·0.	Singapore Island, Dec. 15 (*W. Davison*).	Hume Coll.
i^6. ♀ ad. sk. [w. 4·5].	Pulo Nongsa, Nov. 26 (*W. Davison*).	Hume Coll.
k^6, l^6, m^6. Ad. sk. [w. 4·25 4·35].	Labuan, Nov. to Jan.	A. H. Everett & J. Whitehead, Esqs. [C.].
n^6. Ad. sk. [w. 4·3].	Sarawak.	A. H. Everett, Esq. [C.].

o^6. Ad. sk. [w. 4·3].	Sarawak (*H. H. Everett*).	Tweeddale Coll.
p^6. Ad. sk. [w. 4·3].	Sandakan.	Tweeddale Coll.
q^6. ♀ ad. sk. [w. 4·3].	Puerto Pincesa, Palawan, Nov. (*A. H. Everett*).	Tweeddale Coll.
r^6. ♂ ad. [w. 4·3-4·4]; s^6, t^6. ♀ ad. sk.	N. Bohol, Oct. (*A. H. Everett*).	Tweeddale Coll.
u^6. Ad. sk. [w. 4·3].	Fokien, China.	Gould Coll.
v^6, w^6, x^6. Ad. sk. [w. 4·35–4·4].	Amoy, Nov. (*R. Swinhoe*).	Seebohm Coll.
y^6. ♀ ad. sk. [w. 4·35].	South-west Formosa (*R. Swinhoe*).	Seebohm Coll.
z^6. Ad. sk. [w. 4·15].	Ichang, Dec.	A. Pratt, Esq. [C.].
a^7. Ad. sk. [4·3].	Corea.	C. W. Campbell, Esq. [P.].
	B. *Ægialitis minuta*.	
b^7. Ad. sk. [w. 4·15].	West Africa.	L. Fraser [C.].
c^7. ♂ ad. sk. [w. 4·05].	Socotra, Feb. 26.	Prof. I. B. Balfour [C.].
d^7. ♂ ad. sk. [w. 4·15].	Zoulla, Abyssinia, June 3 (*W. Jesse*).	Tweeddale Coll.
e^7. ♂ ad. sk. [w. 3·95].	Massowah, Abyssinia.	W. T. Blanford, Esq. [C.].
f^7. Ad. sk. [w. 4·15].	N.E. Africa.	Mr. Parreyss [C.].
g^7, h^7. ♂ ♀ ad. sk. [w. 4·0–4·25].	River Kishon, Palestine.	Canon Tristram [C.].
i^7. ♂ ad. [w. 4·05]; k^7, l^7. ♀ ad. sk. [w. 3·7–3·9].	Ceylon, June, July.	Colonel Legge [P.].
	C. *Ægialitis dealbata*.	
m^7. ♀ ad. sk. [w. 4·4].	South Yezo, Japan (*Capt. Blakiston*).	Tweeddale Coll.
n^7, o^7, p^7. Ad. sk. [w. 5·0–5·5].	Yokohama (*H. Pryer*).	Seebohm Coll.
q^7. Ad. sk. [w. 4·1].	Talienwan, China, July.	Seebohm Coll.
r^7. Ad. sk. [w. 4·4].	Osukeo, China, Nov. (*R. Swinhoe*).	Seebohm Coll.
s^7, t^7, u^7. Ad. sk. [w. 4·5–4·25].	Amoy (*R. Swinhoe*).	Hume Coll.
v^7–z^7. ♂ ♀ ad. sk. [w. 4·2–4·55].	Amoy, Oct. to May (*R. Swinhoe*).	Seebohm Coll.
a^8–d^8. Ad. sk. [w. 4·25–4·55].	Amoy, Jan. (*R. Swinhoe*).	Tweeddale Coll.
e^8, f^8, g^8. Ad. sk. [w. 4·2–4·35].	Canton.	Tweeddale Coll.
h^8. Ad. sk. [w. 4·3].	Fokien.	Gould Coll.
i^8. Ad. sk. [w. 4·35].	Formosa, March (*R. Swinhoe*).	Tweeddale Coll.
k^8. Ad. sk. [w. 4·4].	S.W. Formosa (*R. S.*).	Tweeddale Coll.

6. Ægialitis marginata.

Charadrius marginatus, *Vieill. N. Dict. d'Hist. Nat.* xxvii. p. 138 (1818); *Gray, Gen. B.* iii. p. 544 (1847); *Layard, B. S. Afr.* p. 298 (1867); *Finsch & Hartl. Vög. Ostafr.* p. 654 (1870); *Gray, Hand-l. B.* iii. p. 16, no. 10014 (1871); *Seebohm, Ibis*, 1887, p. 338 (Natal); *id. Geogr. Distr. Charadr.* p. 161 (1888).

Charadrius leucopolius, *Wagl. Syst. Av.*, Charadrius, p. 65, sp. 28 (1827); *Grill, Zool. Anteckn.* pp. 11, 52 (1859: Knysna).

Charadrius nivifrons, *Cuv. Règne Anim.* p. 501 (1829: descr. nulla); *Less. Traité d'Orn.* p. 544 (1831); *Gray, Gen. B.* iii. p. 544 (1847); *Pucher. Rev. et Mag. de Zool.* 1851, p. 280; *Strickl. & Sel. Contr. Orn.* 1852, p. 159 (Damara Land); *Schl. Mus. Pays-Bas*, Cursores, p. 35 (1865).

Hiaticula marginata, *Gray, List Grallæ Brit. Mus.* p. 69 (1844: S. Africa).

Hiaticula leucopolia, *Licht. Nomencl. Av. Mus. Berol.* p. 94 (1854).

Leucopolius niveifrons, *Bp. C. R.* xliii. p. 417 (1856).

Ægialitis marginata, *Gurney, Ibis*, 1860, p. 218 (Natal); *id. in Andersson. B. Dam. Ld.* p. 272 (1872: Walvisch Bay; Coast south to the Cape); *Shelley, Ibis*, 1875, p. 85 (Durban); ? *Sharpe & Bouvier, Bull. Soc. Zool. France*, i. p. 53 (1876: Landana); ? *Bocage, Orn. Angola*, p. 433 (1881); *Salvin, Cat. Strickl. Coll.* p. 538 (1882); *Butler, Feilden, & Reid, Zool* 1882, p. 341 (Durban Harbour).

Ægialitis niveifrons, *Cab. in Von der Decken, Reis.* iii. p. 46 (1869).

Ægialitis albidipectus, *Ridgw. Proc. U.S. Nat. Mus.* v. p. 526 (1883); *id. Auk*, i. p. 83 (1884).

? Ægialitis mechowi, *Cab. J. f. O.* 1884, p. 437 (Angola); *Reichen. J. f. O.* 1885, tab. vi. figs. 2 *a*, 2 *b*.

Ægialitis mechowi (*Japan*), *Sel. Ibis*, 1890, p. 120.

Leucopolius marginatus, *Heine & Reichen. Nomencl. Mus. Hein.* p. 237 (1890).

Adult male. General colour above light ashy grey, washed with pale rust-colour, very distinct on the scapulars; rump and central upper tail-coverts a little darker brown, sides of rump and lateral upper tail-coverts pure white; wing-coverts like the back, the marginal ones dusky brown, forming a band along the edge of the wing; greater coverts broadly tipped with white, forming a wing-bar; bastard-wing and primary-coverts dark sepia brown, the latter broadly tipped with white; quills light ashy brown, blackish on the outer webs and at the tips, the inner ones for the most part white along the outer web; secondaries dark brown, with white shafts, the inner ones for the most part white, with a dark patch near the end on the inner web, those adjoining the long secondaries pure white, the long inner secondaries like the back; the four centre tail-feathers dark brown, the next ones brown, externally white, the outer ones pure white; crown of head rust-colour, a broad frontal band of white extending to above the eye, separated from the rust-colour of the crown by a broad black band; a very distinct black loral streak from the base of the bill to the eye; sides of face and ear-coverts white, with a black line along the upper edge of the latter, throat and under surface of body white, with a delicate blush of sandy buff from the fore-neck downwards; under wing-coverts and axillaries white; quills below ashy grey; "bill black; feet greyish flesh-colour; iris dark brown" (*G. E. Shelley*). Total length 6·5 inches, culmen 0·7, wing 4·3, tail 2, tarsus 0·95, middle toe and claw 0·75.

Adult female. Similar to the male, but wanting the black bar across the crown; the forehead white, extending backwards in a broad eyebrow; the black loral streak indicated by a dusky line, and the black on the upper margin of the ear-coverts also replaced

by dusky. Total length 6·5 inches, culmen 0·75, wing 4·4, tail 2·1, tarsus 1.

Nestling. Uniform light isabelline-grey, white below.

It must be noted that Capt. Savile Reid has marked a bird from Durban as a "female" which agrees exactly in colour with the male. If this view be correct, the bird described above as the *adult female* is probably the winter plumage of the species.

Æ. mechowi of Cabanis I believe to be the bird in full breeding-plumage, which would account for the brighter coloration of the neck and breast. I find considerable variation in the breadth of the black band on the crown, and the birds which I take to be in winter plumage are more uniformly grey above, and lack the sandy-rufous colour of the upper parts, this colour accompanying the rufescent colour of the breast, and being apparently a sign of breeding-plumage. The birds from Cape Town are all in the greyer dress, as also is the bird from Walvisch Bay; all the others have the colour of *Æ. mechowi*.

The black loral line, which is a specific character in some of the Sand-Plovers, seems to be a sign of summer plumage only in others. The present species apparently loses it entirely in the winter, and the specimen from Walvisch Bay is in nearly full summer plumage, but still retains the white lores.

In the absence of an examination of the type specimen, I agree with Mr. Seebohm that Mr. Ridgway's *Æ. albidipectus* is this species.

Hab. South Africa, from the Cape Colony to Natal, north to Damara-land and possibly Angola.

a, b. Ad. et pull. sk.	South Africa.	Sir A. Smith [C.].
c. Ad. sk.	South Africa.	Dr. Krauss [C.].
d, e. ♂ ad. sk.	Cape Town (*E. L. Layard*).	Seebohm Coll.
f. Ad. sk.	Cape Town (*E. L. Layard*).	Tweeddale Coll.
g. Ad. sk.	George, Knysna (*T. C. Atmore*).	Tweeddale Coll.
h, i. Ad. sk.	East London, June (*C. Newby*).	Major Trevelyan [P.].
k, l. ♂ ♀ ad. sk.	Durban, Natal, Aug. 25 (*Capt. Savile Reid*).	Shelley Coll.
m, n. ♂; *o.* ♀ ad. sk.	Walvisch Bay, Damara-land, Oct. (*C. J. A.*).	Tweeddale and Seebohm Colls.

7. Ægialitis pallida.

Hiaticula sp., *Gray, List Grall. Brit. Mus.* p. 69 (1844: River Niger) *.

Charadrius pallidus, *Strickl. Contr. Orn.* 1852, p. 158 (Damara-land); *Salvin, Cat. Strickl. Coll.* p. 598 (1882) *.

* There is a synonym, "*H. heywoodi*, Thompson," of which the Museum is supposed to have the type specimen, which is quoted by Hartlaub and others, and even by Gray himself in the 'Hand-list.' The reference given by these authors is incorrect, and I have been unable to find the place where the name is published.

Ægialitis marginata (*nec* Vieill.), *Hartl. Orn. West-Afr.* p. 216 (1857: Gold Coast; River Niger); *Cass. Proc. Philad. Acad.* 1859, p. 173 (Camma River); *Hartl. J. f. O.* 1861, p. 269; *Sharpe, Ibis*, 1870, p. 487 (Fantee); *Shelley & Buckley, Ibis*, 1872, p. 290 (Accra); *Sharpe, Ibis*, 1873, p. 487 (River Volta); *Oustal. Nouv. Arch. Mus.* (2) ii. *Bull.* p. 145 (1879: Gaboon).

Charadrius tenellus, *Hartl. Faun. Madag.* p. 72 (1861); *Sel. P. Z. S.* 1863, p. 164 (Madagascar); *Roch & E. Newton, Ibis*, 1863, p. 169; *E. Newton, t. c.* p. 455; *Grandid. Rev. et Mag. de Zool.* 1867, p. 419; *Schl. & Poll. Faune Madag., Ois.* p. 120 (1868); *Finsch & Hartl. Vog. Ostafr.* p. 655, note (1870); *Gray, Hand-l. B.* iii. p. 10, no. 10018 (1871); *Hartl. Voy. Madag.* p. 288 (1877); *Reichen. Vog. Deutsch-Ost-Afr.* p. 34 (1894: Lindi).

Charadrius niveifrons (*nec* Cuv.), *Schl. P. Z. S.* 1866, p. 425 (Madagascar); *Grandid. Rev. et Mag. de Zool.* 1867, p. 419.

Charadrius marginatus, var. tenellus, *Milne-Edwards & Grandidier, Hist. Nat. Madag., Ois.* p. 509 (1879).

Charadrius marginatus (*nec* Vieill.), *Fischer, J. f. O.* 1885, p. 115 (Lindi).

Ægialitis mechowi (*nec Cab.*), *Hartert, J. f. O.* 1888, p. 610 (Benue River).

Ægialitis marginatus tenellus, *Seebohm, Geogr. Distr. Charadr.* p. 163, pl. vii. (1888).

Ægialitis tenellus, *Shelley, Ibis*, 1888, p. 305 (Manda Isl.); *Sibree, Ibis*, 1892, p. 115 (Madagascar).

Leucopolius tenellus, *Heine & Reichen. Nomencl. Mus. Hein.* p. 337 (1890).

Adult male in breeding-plumage. Similar to *Æ. marginata*, but smaller and having all the secondaries of the same colour, namely dark brown edged with white externally, more broadly towards the tip, none of the secondaries being pure white: "bill black; feet lead-colour; iris brown" (*E. Newton*). Total length 6 inches, culmen 0·65, wing 4, tail 1·9, tarsus 1, middle toe and claw 0·65.

Adult in winter plumage (type of *C. pallidus*, Strickl. & Scl.). Light grey above, without any rufous; base of forehead, eyebrow, sides of face, and under surface of body pure white; lores also white, the black loral line obsolete. Total length 6 inches, wing 3·95, tarsus 1·15.

Hab. Madagascar and East Africa, from the Zambesi north to Lindi; West Africa, from the Gold Coast to the Niger and Gaboon and probably to the Congo and Angola.

I am unable to determine what the *Charadrius marginatus* of Heuglin (Vog. N.O.-Afr. iii. pt. 1, p. 1031, tab. xxxiv. fig. 6) can be, from the Red Sea, Dahlak Archipelago, and Jeddah. As *Æ. tenella* ranges as far as Lindi, it is extremely probable that it extends northwards to the Red Sea.

a	Ad. ♂	River Niger.	Mrs. Heywood [P.]. (Type of "*C. heywoodi*.")
b	Ad. ♂.	River Ogowé, Gaboon.	H. T. Ansell, Esq. [P.].
c	Ad. ♂.	Lake Nyassa (*Sir J. Kirk*).	Livingstone Expedition.
d	Ad. ♂.	Tete, Zambesi (*Sir J. Kirk*).	Livingstone Expedition.
e	Ad. ♂.	Manda Island.	F. J. Jackson, Esq. [P.].

* Dr. Gadow has kindly sent me the type of this species for examination, and I find that it must be the winter plumage of *Æ. tenella*, over which name and of *Æ. pallida* takes precedence.

8. Ægialitis venusta.

Charadrius venustus, *Fischer & Reichen. J. f. O.* 1884, p. 178 (Masai Land); *Fischer, Zeitschr. ges. Orn.* i. p. 392 (1884: Masai Land); *id. J. f. O.* 1885, p. 115 (Nguruman); *Reichen. t. c.* pl. vi. figs. 4 *a*, 4 *b*.

Ægialitis venusta, *Cab. J. f. O.* 1884, p. 437; *Souza, Jorn. Sci. Lisb.* (2) i. no. 2, p. 117 (1889).

Adult male. Above brownish grey, the forehead white, bordered behind with a black and a reddish-coloured band, the latter continued down the side of the neck and united to a band on the crop, of the same colour; loral streak black; chin, sides of the head, and entire under surface of body white; primary-coverts and primaries black, with white shafts, and a white base on the inner web and small spots at tip; middle tail-feathers dark brown, the next with the outer web more or less white, the outermost pure white: bill black; feet greenish grey. Total length 5·3 inches, culmen 0·6, wing 3·3, tail 1·4, tarsus 0·9. (*Fischer & Reichenow.*)

Adult female. Differs from the male in wanting the black band behind the forehead, with a paler reddish-coloured loral streak and paler crop-band. (*F. & R.*)

Hab. East Africa (Masai Land).

9. Ægialitis ruficapilla.

Charadrius ruficapillus, *Temm. Pl. Col.* v. pl. 147. fig. 2 (1823); *Wagl. Syst. Av.*, Charadrius, p. 67, sp. 33 (1827); *Gray, Gen. B.* iii. p. 544 (1847); *id. P. Z. S.* 1858, p. 197; *id. Cat. Mamm. & B. New Guin.* p. 62 (1859); *Rosenb. J. f. O.* 1864, p. 135 (S. Coast of New Guinea); *Finsch, Neu-Guin.* p. 181 (1865); *Schl. Mus. Pays-Bas*, Cursores, p. 42 (1865); *Gray, Hand-l. B.* iii. p. 17, no. 10021 (1871); *Seebohm, Geogr. Distr. Charadr.* p. 164 (1888); *Buller, B. New Zeal.* 2nd ed. ii. p. 5 (1888).

Charadrius marginatus (*Geoffr. nec V.*), *Less. Traité d'Orn.* p. 544 (1831); *id. Compl. Buff., Ois.* iii. p. 393 (1838).

Ægialitis canus, *Gould, P. Z. S.* 1837, p. 154.

Hiaticula ruficapilla, *Gray, List Grall. Brit. Mus.* p. 71 (1844: Van Diemen's Land); *Gould, B. Austr.* vi. pl. 17 (1846); *Macgill. Narr. Voy. Rattlesn.* ii. p. 358 (1852: N.E. Austr.; Torres Straits); *Kirk, Trans. N. Zeal. Inst.* xii. p. 246 (1880).

Ægialitis ruficapillus, *Reichenb. Vög. Neuholl.* p. 39, no. 330 (1850); *id. Grall. Novit.* tab. 174. figs. 2424-25 (1851); *Harting, P. Z. S.* 1874, p. 459, pl. lx. fig. 8 (egg); *Ramsay, P. Z. S.* 1877, p. 337 (Queensland; New South Wales, breeding); *id. Proc. Linn. Soc. N. S. W.* i. p. 384 (1877: Norman River, Gulf of Carpentaria), ii. p. 197 (1878); *Salvad. Ann. Mus. Gen.* xviii. p. 326 (1882); *id. Orn. Papuasia etc.* iii p. 302 (1882: S.E. New Guinea); *North, Proc. Linn. Soc. N. S. W.* (2) i. p. 1164 (1887), iii. p. 1778 (1889: Cumberland, N. S. W.); *id. Nests & Eggs Austr. B.* p. 306 (1889); *Ramsay, Tab. List Austr. B.* p. 19 (1888: nearly the whole of Australia); *Salvad. Agg. Orn. Papuasia*, iii p. 200 (1882); *Legge, Proc. Austr. Assoc.* 1892, p. 40.

Leucopolius ruficapillus, *Bp. C. R.* xliii. p. 417 (1856).

Ægialophilus ruficapillus, *Gould, Handb. B. Austr.* ii. p. 235 (1865);

Ramsay, Ibis, 1886, p. 334 (Port Denison); *Mathew, Proc. Linn. Soc. N. S. W.* x. p. 355 (1886: Claremont Isl.); *Heine & Reichen. Nomencl. Mus. Hein.* p. 337 (1890).

Adult male. General colour above brown, a little darker on the rump and central upper tail-coverts; sides of rump and lateral upper tail-coverts pure white; wing-coverts like the back, the lesser wing-coverts sepia-brown, extending round the bend of the wing to the bastard-wing and primary-coverts, the latter fringed with white at the ends; the greater coverts tipped with white, forming a wing-band; quills ashy brown, blackish along the outer webs and at the tips, the shafts white, the inner primaries white towards the base of the outer web, the secondaries internally white, the inner ones with a good deal of white on the inner web and at the tip, the long inner secondaries brown like the back; the four centre tail-feathers brown, the next pair white, with more or less brown on the inner web, the remainder white; crown of head and entire hind-neck cinnamon-rufous, spreading slightly on to the mantle; frontal band white, extending above the eye, and separated from the rufous head by a narrow band of black, also continued to above the eye; a loral streak of black from the base of the bill to the eye; sides of face, ear-coverts, cheeks, and entire under surface white; a narrow line of black separating the white of the sides of the face from the rufous of the head and neck, and continued down the sides of the neck, where there is a black patch; under wing-coverts and axillaries white; quills below light ashy: "bill dark reddish brown; naked part of legs above the tarsi dark greenish grey; tarsi light grey; toes blackish brown; iris very dark brown" (*J. Gould*). Total length 6 inches, culmen 0·6, wing 4·1, tail 1·55, tarsus 1·1, middle toe and claw 0·75.

Adult female. Similar to the male, but not so brightly coloured, and the red of the head and neck not so pronounced. Total length 6 inches, culmen 0·6, wing 4·1, tail 1·5, tarsus 1.

The specimen recorded below from Amoy still bears Swinhoe's label, but was determined by him as *Hiaticula cantiana*. It seems to me to belong undoubtedly to this species, having the rufous colour of the head extending over the hind-neck, and it shows no trace of the white collar which is characteristic of *Æ. cantiana*; it has the loral streak cinnamon like the head, and the patch at the side of the neck is also cinnamon. This I believe to be a character of young birds, as it is seen in all the immature ones in the Collection. The only other difference between the young and old birds is the mottled appearance, the feathers having rufous margins.

Hab. Australia and Tasmania, extending to the islands of Torres Straits and the south coast of New Guinea. Accidental in New Zealand. Probably ranging north to China.

a, ♂ Ad. ex. *w.* 4 15 4 4.	Tasmania, Sept.	J. B. Jukes, Esq. P. L.
b, ♀ Ad. ex. *w.* (*Ramsay*)	Tasmania	Ronald Gunn, Esq. P. L.

d, *e*. Ad. sk. [w. 3·9–4·1].	Australia.	Purchased.
f, *g*. Ad. sk. [w. 4·0–4·1].	New South Wales.	Hume Coll.
h, *i*. Ad. sk. [w. 4·05–4·2].	New South Wales.	Australian Museum [P.].
k, *l*. Ad. sk. [w. 4·1–4·2].	New South Wales.	Gould Coll.
m. Ad. sk. [w. 4·2].	Port Lincoln.	Hume Coll.
n. Ad. sk. [w. 3·9].	Cape York.	Tweeddale Coll.
o, *p*, *q*. Ad. et juv. sk. [w. 3·95–41].	Cape York.	Salvin-Godman Coll.
r. ♀ ad. sk. [w. 4·1].	Keppel Isl., Dec. (*J. Macgillivray*).	Voy. H.M.S. 'Rattlesnake.'
s, *t*. ♂ ♀ ad. sk. [w. 3·95–4·1.]	Rottnest Island, West Australia.	Gould Coll.
u. Ad. sk. [w. 4·1].	Amoy, Jan. (*R. Swinhoe*).	Salvin-Godman Coll.

10. Ægialitis collaris.

Mbatuitui collar negro, *Azara, Apunt.* iii. p. 291 (1803).

Charadrius collaris, *Vieill. N. Dict. d'Hist. Nat.* xxvii. p. 136 (1817); *Gray, Gen. B.* iii. p. 547 (1847); *Hartl. Ind. Azara*, p. 24 (1847); *Schl. Mus. Pays-Bas*, Cursores, p. 37 (1865); *Gray, Hand-l. B.* iii. p. 16, no. 10017 (1871); *Seebohm, Geogr. Distr. Charadr.* p. 173 (1888).

Charadrius azaræ, *Temm. Pl. Col.* v. pl. 184 (1823); *Licht. Verz. Doubl.* p. 71 (1823); *Less. Traité d'Orn.* p. 544 (1831); *Neuwied, Beitr. Naturg. Bras.* iv. p. 772 (1832); *Cab. in Schomb. Reis. Guian.* iii. p. 751 (1848); *Burm. Th. Bras.* iii. p. 360 (1856); *id. Reise La Plata-St.* ii. p. 501 (1861: everywhere); *Pelz. Orn. Bras.* p. 297 (1871: Peiby, March; Marambaya, March; Villa de Castro, Dec.; Cuyaba, Jan.; Caiçara, May; Barra de Rio Negro, April; Cajutuba).

Charadrius larvatus, *Less. Man. d'Orn.* ii. p. 318 (1828).

Hiaticula azaræ, *Gould in Darwin's Voy. 'Beagle,' Birds*, p. 127 (1841); *Gray, List Grall. Brit. Mus.* p. 70 (1844); *Scl. P. Z. S.* 1860, p. 298 (Esmeraldas); *id. P. Z. S.* 1867, p. 331 (Chili).

Hiaticula collaris, *Scl. P. Z. S.* 1860, p. 290 (Babahoyo).

Ægialitis collaris, *Salvin, Ibis*, 1866, p. 197 (Guatemala); *Scl. & Salv. P. Z. S.* 1866, p. 119; *iid. P. Z. S.* 1867, p. 591 (Mexiana; Rio Tocantins), 1869, p. 252 (Lake Valencia, Venezuela); *iid. Nomencl. Av. Neotr.* p. 143 (1873); *iid. P. Z. S.* 1873, p. 186 (Cosnipata, Peru), p. 309 (Upper and Lower Ucayali; Santa Cruz, breeding); *Harting, P. Z. S.* 1874, p. 458, pl. lx. fig. 7; *Lawr. Bull. U.S. Nat. Mus.* iv. p. 46 (1876: Tehuantepec); *Durnf. Ibis*, 1878, p. 67 (Buenos Ayres, Oct. to Feb.), 1880, p. 424 (Tucuman); *White, P. Z. S.* 1882, p. 628 (Punta Lara); *Zeledon, Cat. Aves Costa Rica*, p. 30 (1882); *Barrows, Auk*, i. p. 313 (1884: Lower Uruguay); *Tacz. & Berl. P. Z. S.* 1885, p. 119 (Ecuador); *Salvin, Ibis*, 1886, p. 178 (Bartica Grove); *Tacz. Orn. Pérou*, iii. p. 344 (1886: Upper and Lower Ucayali: Santa Cruz); *Ridgw. Man. N. Amer. B.* p. 179 (1887); *Scl. & Huds. Arg. Orn.* ii. p. 173 (1889); *Riker & Chapm. Auk*, viii. p. 163 (1891: Santarem); *Graham Kerr, Ibis*, 1891, p. 270, 1892, p. 150 (Pilcomayo River); *Richm. Proc. U.S. Nat. Mus.* xvi. p. 526 (1893: Nicaragua; Rio Frio, Costa

Rica); *Hartert*, *Ibis*, 1893, p. 335 (Bonaire); *Aplin*, *Ibis*, 1894, p. 206 (Uruguay, Dec.).

Ægialitis nivosa (*nec Cass.*), *Salvin*, *Ibis*, 1868, p. 196 (Chiapam).

Ægialitis gracilis, *Cab. J. f. O.* 1872, p. 158; *Reichen. J. f. O.* 1885, Taf. vi. figs. 3 *a*, 3 *b*.

Adult male. General colour above ashy brown, varied with rufous margins to all the feathers; scapulars like the back; rump and central upper tail-coverts dark sepia-brown, with rufous margins to the feathers; sides of rump and lateral upper tail-coverts pure white; wing-coverts like the back, the inner marginal coverts dark brown, forming a band on the top of the wing; greater coverts tipped with white, forming a narrow wing-bar; bastard-wing and primary-coverts dark brown, with white tips; quills ashy brown, blackish along the outer webs and at the tips, secondaries with white tips and with a good deal of white on the inner webs, the long inner secondaries brown with rufous margins like the back; the six centre tail-feathers dark brown with white tips, the next ones ashy brown, dark brown on the inner web and white at the tips, the outer feathers white; crown of head and hind-neck, as well as the sides of the latter, dark cinnamon-rufous, separated by a broad black band from the white forehead, which extends over and round the eye; a distinct black loral streak; sides of face white; upper part of ear-coverts rufous like the head; throat and entire under surface of body pure white, with a black collar across the fore-neck, widening out on the sides of the latter; under wing-coverts and axillaries pure white; quill-lining ashy grey; "bill blackish; feet whitish red; iris greyish brown" (*Neuwied*); "bill black; feet flesh colour; iris brown" (*L. Fraser*). Total length 6·3 inches, culmen 0·65, wing 4·25, tail 2·15, tarsus 1, middle toe and claw 0·85.

Adult female. Similar to the male, but not quite so much rufous on the upper surface. Total length 6 inches, culmen 0·7, wing 4·1, tail 1·95, tarsus 1.

Hab. South America, ranging northwards into Mexico. Island of Grenada in the Lesser Antilles.

a ♀ ad. sk. (w. 3·7).	Playa Vicente, Vera Cruz, Dec. (*M. Trujillo*).	Salvin-Godman Coll.
b ♀ ad. sk. w. 3·40.	La Antigua, Vera Cruz, Sept. (*M. Trujillo*).	Salvin-Godman Coll.
c. Ad. sk. (w. 3·40).	Chiapam, Guatemala (*O. S.*).	Salvin-Godman Coll.
d ♂ ♀ ad. sk.	Momotombo, Nicaragua, May (*W. B. Richardson*).	Salvin-Godman Coll.
k ♂ ad. sk.	Grenada, July (*D. W. Smith*).	Salvin-Godman Coll.
i. Ad. sk. w. 3·85.	Bogotá.	Seebohm Coll.
k. Ad. sk. w. 3·7.	Intac, Ecuador (*C. Buckley*).	Salvin-Godman Coll.
l Ad. sk. w. 3·75.	Peru.	Seebohm Coll.
m ♂ ad. sk. (w. 3·55).	Laguna de Valencia, Venezuela, Sept. 22 (*A. Goering*).	Seebohm Coll.

n. Ad. st.	British Guiana.	Sir R. Schomburgk [C.].
o. ♀ ad. sk. [w. 3·65].	Bartica Grove, British Guiana, May 18 (*H. Whitely*).	Salvin-Godman Coll.
p, *q*. ♂ ♀ ad. sk. [w. 3·8–3·9].	Island of Mexiana, Dec. (*A. R. Wallace*).	Salvin-Godman Coll.
r, *s*. Ad. sk. [w. 3·65].	Rio Tocantins, Sept. (*A. R. Wallace*).	Salvin-Godman Coll.
t, *u*. Ad. sk. [w. 3·85].	Pernambuco (*W. A. Forbes*).	Salvin-Godman Coll.
v. Ad. sk. [w. 3·85].	Bahia (*Dr. Wucherer*).	Salvin-Godman Coll.
w. Ad. sk. [w. 3·75.]	[Bahia.]	Tweeddale Coll.
x, *y*. ♂ ♀ ad. sk. [w. 3·95–4·25].	Corumba, Matto Grosso, Brazil, Jan. (*D. W. Smith*).	Salvin-Godman Coll.
z. Ad. sk. [w. 4·1].	Pelotas, Rio Grande do Sul (*Joyner*).	Salvin-Godman Coll.
a'. ♂ ad. sk. [w. 4·1].	Rio Grande, Brazil.	Seebohm Coll.
b'. ♀ ad. sk. [w. 4·1].	Marambaya, Brazil, March (*J. Natterer*).	Salvin-Godman Coll.
c'. ♂ ad. sk. [w. 3·8].	San Paulo, Brazil (*Joyner*).	Salvin-Godman Coll.
d'. Ad. sk. [w. 4·1].	Brazil.	Salvin-Godman Coll.
e'. Ad. sk. [w. 4·1].	Punta Lara, Buenos Ayres, Oct. 19.	H. Durnford, Esq. [C.]
f'. Ad. sk. [w. 4·05].	Mendoza (*Burmeister*).	Salvin-Godman Coll.

11. Ægialitis nivosa.

Hiaticula azaræ, *Darwin, Voy.* '*Beagle*,' *Birds*, p. 127 (1841).

Ægialitis nivosus, *Cass. in Baird's B. N. Amer.* p. 696 (1858: Presidio, California, May).

Charadrius cantianus (*nec Lath.*), *Heerm. Pacific R. Rep.* p. 64 (1859).

Ægialitis tenuirostris (*nec Hume*), *Lawr. Ann. Lyc. N. Y.* vii. p. 455 (1862: Cuba).

Ægialeus tenuirostris (*nec Hume*), *Gundl. Repert. Fisico-Nat. Cuba*, i. p. 359 (1866); *id. J. f. O.* 1875, p. 336 (Cuba); *id. Orn. Cuba*, p. 183 (1876).

Ægialitis nivosa, *Coues, Ibis*, 1866, p. 274 (San Pedro, California); *Scl. & Salv. P. Z. S.* 1868, p. 176 (Tambo Valley, Peru); *Harting, Ibis*, 1869, p. 305; *Lawr. Ann. Lyc. N. Y.* ix. p. 209 (1870: Yucatan); *Coues, Ibis*, 1872, p. 53; *Lawr. Mem. Bost. Soc. N. H.* ii. p. 307 (1874: Mazatlan); *Tacz. P. Z. S.* 1874, p. 559 (Chorillos); *Belding, Proc. U.S. Nat. Mus.* i. p. 395 (1878: Central California); *Cooper, op. cit.* ii. p. 251 (1879: San Pedro, California); *Ridgw. op. cit.* iii. p. 199 (1880); *Sharpe, P. Z. S.* 1881, p. 15; *Zeledon, Cat. Aves Costa Rica*, p. 30 (1882); *Salvin, P. Z. S.* 1883, p. 428 (Chili); *Zeledon, Proc. U.S. Nat. Mus.* viii. p. 113 (1885); *Tacz. Orn. Pérou*, iii. p. 346 (1886: Chorillos); *Everm. Auk*, iii. p. 92 (1886: Ventura Co., California); *Goss, t. c.* p. 409 (Kansas); *id. Auk*, iv. p. 8 (1887: Kansas), p. 344 (Central Kansas, breeding); *A. O. U. Check-l. N. Amer. B.* p. 163 (1886); *Cory, Auk*, iv. p. 229 (1887); *Berl. J. f. O.* 1887, p. 134 (Paraguay);

Ridgw. Man. N. Amer. B. p. 178 (1887); *Sennett, Auk*, v. p. 110 (1888: Corpus Christi, Texas); *Cory, B. West Ind.* p. 229 (1889); *Towns. Proc. U.S. Nat. Mus.* xiii. p. 136 (1890: Pacific Coast, N. Calif.); *Berkeley James, New List Chilian B.* p. 11 (1892); *Cory, Cat. West Ind. B.* p. 95 (1892); *Fisher, N. Amer. Fauna*, no. 7. p. 25 (1893).

Charadrius cantianus (pt.), *Gray, Hand-l. B.* iii. p. 17, no. 10020 (1871).

Charadrius tenuirostris, *Gray, t. c.* p. 16, no. 10011.

Ægialitis cantianus (*nec Lath.*), *Coues, Key N. Amer. B.* p. 245 (1872); *Seton, Auk*, ii. p. 335 (1885: Toronto).

Ægialitis cantiana, var. nivosa, *Ridgw. Amer. Nat.* viii. p. 109 (1874); *Coues, B. N.-West*, p. 456 (1874); *Ridgw. Rep. 40th Parallel*, p. 604 (1877: Warm Spring Lake, Utah).

Ægialitis microrhyncha, *Ridgw. Amer. Nat.* viii. p. 109 (1874).

Ægialitis cantianus nivosus, *Coues, Check-l. N. Amer. B.* p. 97 (1882); *id. Key N. Amer. B.* 2nd ed. p. 903 (1884).

Ægialitis alexandrina nivosa, *Stejn. Proc. U.S. Nat. Mus.* v. p. 35 (1883); *Belding, t. c.* p. 528 (1883: St. Quentin Bay), p. 530 (Santa Rosalia Bay), p. 545 (Peninsula of Lower California); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 164 (1884).

Adult male. Similar to *Æ. alexandrina*, but easily distinguished by its white lores, which entirely want the blackish or dusky streak between the base of the bill and the eye; the black forehead and the black patch on the sides of the chest, as well as the black ear-streak, are all well developed, but the rufous colour of the head is never so strongly pronounced as in *Æ. alexandrina*, and it disappears rapidly after the bird has arrived at its breeding-quarters, so that the head is ashy brown like the back, shaded with hoary white. Total length about 6·5 inches, culmen 0·7, wing 4·15, tail 1·7, tarsus 0·95, middle toe and claw 0·7.

Adult female. Similarly coloured to the male. Total length about 6·5 inches, culmen 0·65, wing 4·3, tail 1·8, tarsus 0·9.

Adults in winter plumage. Differs from the summer plumage in entirely wanting the black on the fore part of the crown, ear-coverts or sides of the chest, these parts being brown like the rest of the upper surface; forehead and eyebrow conspicuously white. There is a slight indication of a white collar round the hind-neck.

Young. Resembles the winter plumage of the adult, but has the upper surface varied with pale edges to the feathers, producing a somewhat scalloped appearance, the margins to most of the dorsal feathers, the inner secondaries, and tail-feathers being pale sandy.

Hab. Western North America, throughout Central America and Western South America to Peru and Chili. ? Cuba.

a–*e* ♂ ad. w. 4·15–4·3. ♂ ♀ ad. ak. w. 4·1–4·2.	Corpus Christi, Texas, June, Oct., Nov. (*F. B. Armstrong*).	Salvin-Godman Coll.
m, *n*. Ad. ak. w. 4·2–4·35.	California.	Seebohm Coll.
o ♂ ad. ak. w. 4·15.	Santa Cruz, California, May (*W. H. Collins*: *Hensh. Coll.*).	Salvin-Godman Coll.
p ♂ juv. ak.	Monte Rey, Cal., Sept. 30 (*H. W. Henshaw*).	Salvin-Godman Coll.

q–*x*. ♂ ad. [w. 4·1–4·3]; *y*–*b'*. ♀ ad. [w. 4·0–4·2]; *c'*. Pull. sk.	Santa Barbara, Cal., July, Sept., Oct. (*H. W. Henshaw*).	Salvin-Godman Coll.
d'. ♂ ad. [w. 4·1]; *e'*, *f'* ♀ ad. sk. [w. 4·1].	San Diego, Cal., Dec. (*H. W. Henshaw*).	Salvin-Godman Coll.
g', *h'*. Ad. sk. [w. 4·15].	San Pedro, Cal., Nov. (*E. Coues*: *Hensh. Coll.*).	Salvin-Godman Coll.
i'. ♀ ad. sk. [w. 4·15].	San Francisco, Cal., Sept. (*H. W. Henshaw*).	Salvin-Godman Coll.
k'. ♀ ad. sk. [w. 4·15].	San Jacinto, Cal., Aug. 4 (*F. Stevens*).	Salvin-Godman Coll.
l'. ♀ ad. sk. [w. 4·35].	San José del Cabo, Lower Cal., Sept. 26 (*M. A. Frazar*).	Salvin-Godman Coll.
m'. Ad. sk. [w. 4·3].	South America (*A. Boucard*).	Salvin-Godman Coll.
n', *o'*. ♂ ad. sk. [w. 4·1–4·2].	Tambo Valley, Peru, Oct., Nov. (*H. Whitely*).	Salvin-Godman Coll.
p'. ♂ ad. sk. [w. 4·0].	Tambo Valley, Oct. 25 (*H. Whitely*).	Seebohm Coll.
q'. Ad. sk. [w. 4·25].	Valparaiso (*G. F. Mathew*).	Seebohm Coll.
r'. Ad. sk. [w. 4·15].	Chili.	Mr. Bridges [C.].
s'. Ad. sk. [w. 4·4].	Chili (*A. H. Markham*).	Salvin-Godman Coll.
t'. Ad. sk. [w. 4·1].	Chili.	Salvin-Godman Coll.
u', *v'*. Ad. sk. [w. 4·15–4·2].	Central Chili (*Landbeck*).	Berkeley James Coll.
w'. Ad. sk. [w. 4·2].	Valparaiso (*C. Darwin*).	Salvin-Godman Coll.

12. Ægialitis melodus.

Charadrius hiaticula, var., *Wilson, Amer. Orn.* v. p. 30, pl. 37. fig. 3 (1812).

Charadrius melodus, *Ord in Wilson's Amer. Orn.* vii. p. 71 (1824); *Audub. B. Amer.* pl. ccxx. (c. 1826); *Bp. Amer. Orn.* iv. p. 74, pl. 24 (1832); *Audub, Orn. Biogr.* iii. p. 154 (1835), v. p. 578 (1839); *id. B. Amer.* 8vo, v. p. 223, pl. 321 (1842); *Gray, Gen. B.* iii. p. 544 (1847); *Bp. C. R.* xliii. p. 417 (1856); *Brewer, Proc. Bost. Soc. N. H.* vii. p. 308 (1860: Cuba); *Schl. Mus. Pays-Bas*, Cursores, p. 29 (1865); *Gray, Hand-l. B.* iii. p. 16, no. 10010 (1871); *Finsch, Abhandl. Bremen*, iii. pt. i. p. 62 (1872 : Alaska); *Seebohm, Geogr. Distr. Charadr.* p. 121 (1888).

Charadrius okeni, *Wagl. Syst. Av.* p. 63, sp. 24 (1827).

Piping Ringed Plover, *Nuttall, Man. B.* ii. p. 18 (1834).

Ægialitis melodus, *Bp. Comp. List B. Eur. & N. Amer.* p. 45 (1838); *Gosse, B. Jamaica*, p. 330 (1847); *Reichenb. Grall.* tab. ccclxiv. figs. 2842–43 (1849); *Cass. in Baird's B. N. Amer.* p. 695 (1858); *Bryant, Proc. Bost. Soc. N. H.* vii. p. 121 (1859 : Bahamas); *Scl. P. Z. S.* 1861, p. 80 (Jamaica); *Gundl. J. f. O.* 1862, p. 88 (Cuba); *Albrecht, t. c.* p. 205 (Jamaica); *Allen, Bull. Mus. C. Z.* ii. p. 355 (1871); *Coues, Key N. Amer. B.* p. 245 (1872); *Scl. & Salv. Nomencl. Av. Neotr.* p. 143 (1873); *Reid, Zool.* 1877, p. 475 (Bermuda, Sept.); *Cory, B. Bahamas*, p. 148 (1880); *Ridgw. Proc. U.S. Nat. Mus.* iv. p. 218 (1881); *Coues*,

Check-l. N. Amer. B. p. 97 (1882); *id. Key N. Amer. B.* 2nd ed. p. 602 (1884); *Dutcher, Auk*, ii. p. 37 (1885: Long Isl.); *A. O. U. Check-l. N. Amer. B.* p. 102 (1886); *Cory, Auk*, iv. p. 230 (1887); *id. B. West Ind.* p. 230 (1889).

Hiaticula melodus, *Gray, List Gralt. Brit. Mus.* p. 69 (1844).

Ægialeus melodus, *Allen, Proc. Essex Inst.* iv. p. 86 (1864); *Gundl. Repert. Fisico-Nat. Cuba*, i. p. 359 (1866); *id. J. f. O.* 1875, p. 386 (Cuba); *id. Orn. Cuba*, p. 183 (1876); *id. Anal. Soc. Esp. Hist. Nat.* vii. p. 385 (1878: Porto Rico).

Charadrius (Ægialitis) melodus, *Ridgw. Ann. Lyc. N. Y.* x. p. 383 (1874).

Ægialitis melodus, var. circumcincta, *Coues, Check-l. N. Amer. B.* p. 133 (1873); *Ridgw. Amer. Nat.* viii. p. 109 (1874); *Coues, B. N.-West*, p. 455 (1874); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 100 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 602 (1884).

Ægialitis melodus circumcincta, *Ridgw. Proc. U.S. Nat. Mus.* iii. pp. 199, 221 (1880); *Coues, Check-l. N. Amer. B.* p. 97 (1882); *Agersb. Auk*, ii. p. 285 (1885: S.E. Dakota); *Brewster, Auk*, iii. p. 408 (1886: S. Carolina); *Allen, t. c.* p. 482 (Long Beach, Barnegat Bay); *Smith & Palmer, Auk*, v. p. 147 (1888: Potomac River); *Brown, Auk*, vi. p. 70 (1889: Maine); *Scott, Auk*, vii. p. 309 (1890: Dry Tortugas); *Allen, Auk*, x. p. 134 (1893).

Ægialitis melodus circumcincta, *A. O. U. Check-l. N. Amer. B.* p. 103 (1886); *Ridgw. Man. N. Amer. B.* p. 178 (1887).

Charadrius melodus circumcinctus, *Seebohm, Geogr. Distr. Charadr.* p. 122 (1888).

Ægialitis melodus, *Baird, Brewer, & Ridgway, Water-Birds N. Amer.* i. p. 100 (1884); *Seton, Auk*, iii. p. 102 (1886: Lake Manitoba; Lake Winnipeg); *Ridgw. Man. N. Amer. B.* p. 178 (1887); *Bishop, Auk*, vi. p. 147 (1889: Magdalen Isl.); *Scott, t. c.* p. 159 (Punta Rassa, Gulf of Florida); *Shick, Auk*, vii. p. 328 (1890: New Jersey); *Palmer, Proc. U.S. Nat. Mus.* xiii. p. 260 (1890: Magdalen Isl.); *Thomps. t. c.* p. 506 (Manitoba); *Cory, Auk*, viii. p. 351 (1891: Magua Isl.); *id. Cat. B. West Ind.* p. 95 (1892: Bahamas; Greater Antilles); *Scott, Auk*, ix. p. 15 (1892: Jamaica, p. 212 (Florida); *Mackay, t. c.* p. 306 (Massachusetts); *Dwight, Auk*, x. p. 8 (1893: Prince Edward Isl.); *Mackay, t. c.* p. 370 (Muskeget Isl.).

Adult. General colour above pale greyish brown, including the rump and upper tail-coverts; sides of rump and lateral upper tail-coverts white; scapulars and wing-coverts pale greyish brown like the back, with the lesser series rather darker brown, forming a line along the bend of the wing; the greater coverts tipped with white, forming a band across the wing; bastard-wing and primary-coverts blackish, the latter fringed with white; primaries blackish at the ends and along the outer webs, the greater part of the inner web white, extending across the shaft and forming a conspicuous white mark for nearly the terminal third of the quill, being accompanied by a white shaft; the inner primaries with the outer web white for nearly the whole length, forming a wing-patch; secondaries white, with a blackish mark near the end of the outer web, gradually diminishing in size towards the inner secondaries, which are pure white; innermost long secondaries very pale brown, with ashy margins, only slightly darker than the back; tail-feathers brown,

with a white base, and inclining to blackish towards the end of the feathers, forming a band, which diminishes in size towards the outside ones, where it becomes confined to the inner web and disappears altogether on the outer feathers, which are pure white; crown of head pale greyish brown like the back, separated from the mantle by a broad white collar; forehead white, succeeded by a narrow band of black, which extends from eye to eye; a tolerably well-marked white eyebrow; ear-coverts pale greyish; lores, feathers below the eye, cheeks, and under surface of body pure white, with a large patch on the sides of the fore-neck, not quite meeting in the centre, though a few of the feathers have black margins; under wing-coverts, axillaries, and quill-lining pure white: "bill orange at base, tipped with black; feet orange-yellow" (*Baird, Brewer, & Ridgway*). Total length 6·5 inches, culmen 0·55, wing 4·5, tail 1·9, tarsus 0·85.

Adult female. Similar to the male, but apparently never putting on a complete præpectoral collar. Total length 6·4 inches, wing 4·85.

Adults in winter plumage. Similar to the summer plumage, but wanting the black line across the fore part of the crown, and having the patch on the sides of the fore-neck ashy brown, becoming gradually mixed with black and lastly entirely black as the season advances. The bill is wholly black.

Young. Similar to the adults in winter plumage, but with ashy-fulvous margins to the feathers of the upper surface; the brown patches at the side of the fore-neck scarcely developed.

Mr. Ridgway has separated two races of this bird, which he defines as the true *Æ. meloda*, chiefly from the Atlantic coasts of the United States, north to Southern Labrador, and to the West Indies in winter, and *Æ. meloda circumcincta*, from the Mississippi Valley north to Lake Winnipeg. This last race has the black band continuous across the chest; but I do not see any reason for supposing that this is any more than the sign of a very old bird, for every intermediate link is shown in a series in the Museum. Thus we have two fully adult birds from the 49th Parallel Survey, one with a complete band, and one without, and the same thing is found in birds from Waukegan, Illinois. Winter birds from Texas show every possible gradation.

Hab. North America, wintering to the south. Bermudas; Bahamas; Cuba; Jamaica.

a. Ad. sk.	Hudson's Bay.	Sir G. Back [P.].
b. Ad. sk.	North America.	Old Coll.
c, d. ♂ ad. sk.	Lake of Woods (*G. Dawson*).	N. A. Bound. Comm.
e. Ad. sk.	49th Parallel (*G. Dawson*).	N. A. Bound. Comm.
f, g, h. ♂ ♀ ad. sk.	Waukegan, Illinois, April, June (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
i. Ad. sk.	St. Andrews, New Brunswick, May (*Osburn*).	Salvin-Godman Coll.
k. Ad. sk.	New Jersey.	J. J. Audubon, Esq.
l, m. Ad. sk.	New Jersey.	Salvin-Godman Coll

n, o, p. Ad. sk.	Massachusetts (*Hensh. Coll.*).	Salvin-Godman Coll.
q. Juv. sk.	Cobb's Island, Virginia, Aug. 1 (*Hensh. Coll.*).	Salvin-Godman Coll.
r, s. ♂ ♀ ad. hiem. sk.	Corpus Christi, Texas, Oct., Nov. (*F. B. Armstrong*).	Salvin-Godman Coll.

13. Ægialitis occidentalis.

Ægialitis occidentalis, *Cab. J. f. O.* 1872, p. 158; *id. J. f. O.* 1885, pl. vi. fig. 1; *Scl. P. Z. S.* 1886, p. 403 (Tarapacá); *Berkeley James, New List Chilian B.* p. 11 (1892).

Charadrius occidentalis, *Seebohm, Geogr. Distr. Charadr.* p. 174 (1888).

Adult male. Similar to *Æ. nivosa*, and like that species having perfectly white lores, but differing in its slightly larger size and black legs: "bill and legs black; iris dark brown" (*Rahmer*). Total length 6·5 inches, culmen 0·75, wing 4·7, tail 2, tarsus 1·05, middle toe and claw 0·8.

Adult female. Similar to the male, but not quite so rufous on the head. Total length about 6·8 inches, culmen 0·75, wing 4·6, tail 1·9, tarsus 1·05.

Hab. Province of Tarapacá, Chili.

a–d ♂ ad. w. 4·6–4·8; *e*, ♀ ad. sk. w. 4·6.	Tarapacá, Jan., Feb. (*Rahmer*).	Berkeley James Coll.
f, g ♂ ♀ ad. sk. w. 4·6–4·65.	Sacaya, April, May (*A. A. Lane*).	Berkeley James Coll.
h, i ♂ ♀ ad. sk.	Laraquete, Tarapacá, Aug. (*A. A. Lane*).	Berkeley James Coll.

14. Ægialitis falklandica.

Charadrius falklandicus, *Lath. Ind. Orn.* ii. p. 747 (1790): Falkland Is.; *Vieill. N. Dict. d'Hist. Nat.* xxvii. p. 141 (1818); *Gray, Gen. B.* iii. p. 544 (1847); *Bp. C. R.* xliii. p. 417 (1856); *Schl. Mus. Pays-Bas*, Cursores, p. 36 (1865): Falklands); *Gray, Hand-l. B.* iii. p. 16, no. 10000 (1871); *Seebohm, Geogr. Distr. Charadr.* p. 156 (1888).

Charadrius trifasciatus, *Licht. Verz. Doubl.* p. 71 (1823: Montevideo); *Gray, Gen. B.* iii. p. 544 (1847).

Charadrius pyrocephalus, *Garnot, Ann. Sci. Nat.* vii. p. 46 (1826: Falkland Is.); *Less. Man. d'Orn.* ii. p. 331 (1828).

Charadrius pyrrocephalus, *Less. Voy. Coquille*, p. 719 (1829).

Charadrius annuligerus, *Wagl. Syst. Av.*, Charadrius, p. 59, sp. 13 (1827).

Hiaticula bifasciata, *Fraser, P. Z. S.* 1843, p. 118 (Andes of Chili).

Hiaticula falklandica, *Gray, List Grall. Brit. Mus.* p. 71 (1844).

Hiaticula trifasciata, *Licht. Nomencl. Av. Mus. Berol.* p. 94 (1854: Montevideo).

Ægialitis falklandica, *Scl. P. Z. S.* 1860, p. 386 (Falkland Is.); *Aldrett, Ibis*, 1861, p. 155 (Falkland Is., breeding in Sept.); *Scl. & Salv. Ibis*, 1868, p. 188 (Sandy Point, Dec.; Gregory Bay, May); *id. P. Z. S.* 1868, p. 144 (Conchitas, Buenos Ayres); *Hudson, P. Z. S.* 1872, p. 549 (Rio Negro, Patagonia); *Scl. &*

Salv. Nomencl. Av. Neotr. p. 143 (1873); *Harting, P. Z. S.* 1874, p. 457, pl. lx. fig. 6 (egg); *Durnf. Ibis*, 1878, p. 402 (Central Patagonia); *Gibson, Ibis*, 1880, p. 163 (Cape San Antonio, Buenos Ayres, breeding in Aug. & Sept.); *Barrows, Auk*, i. p. 313 (1884: Concepcion, Lower Uruguay); *Berlepsch, J. f. O.* 1887, p. 134 (Paraguay); *Scl. & Huds. Argent. Orn.* ii. p. 172 (1889); *Ridgw. Proc. U.S. Nat. Mus.* xii. p. 136 (1889: Laredo Bay); *Holland, Ibis*, 1891, p. 19 (Argentine Rep., July); *Berkeley James, New List Chilian B.* p. 11 (1892); *Holland, Ibis*, 1892, p. 210 (Estancia Espartilla, March to Sept.), 1893, p. 468 (migrant from Patagonia).

Charadrius (Ægialitis) falklandicus, *Oust. Miss. Sci. Cap Horn, Ois.* p. 114 (1891).

Adult male. General colour above dark ashy brown; wing-coverts like the back, with a narrow fringe of white to the ends of the greater series; bastard-wing, primary-coverts, and primaries black, the latter brown on the inner web, which is lined with whitish, the shafts of the outer primaries entirely white, those of the inner primaries white for the subterminal portion only, the base of these quills being white on the outer web, causing a speculum; secondaries ashy brown, fringed with white at the ends, the inner secondaries like the back; lower back, rump, central upper tail-coverts, and central tail-feathers blackish brown, darker than the rest of the back; sides of rump and lateral upper tail-coverts white; all but the centre tail-feathers light ashy, the three outermost with white shafts and white at the ends, the white extending down the middle of the penultimate feather, the outermost one being entirely white; central and hinder part of crown, nape, hind-neck, and sides of neck cinnamon-rufous; forehead and lores white, separated from the red crown by a broad band of black; ear-coverts black, this colour extending along the sides of the throat; feathers below the eye, cheeks, throat, and under surface of body pure white, with a band of black across the fore-neck, and a second, much broader, black band across the breast; under wing-coverts and axillaries white; the outer coverts mottled with ashy bases, the lower primary-coverts ashy like the quill-lining: "bill, feet, and claws black; iris wood-brown" (*H. Durnford*). Total length 7 inches, culmen 0·8, wing 4·95, tail 2, tarsus 1·1.

Adult female. Similar to the male in colour, but with the black band on the forehead and ear-coverts less strongly defined; the rufous on the hinder crown and hind-neck paler and less pronounced, and inclining to ashy grey on the hinder crown and nape. Total length 7 inches, wing 4·9.

Young. Light brown, all the feathers having pale ashy margins; wings and tail as in the adults; crown of head and hind-neck like the back, and mottled in the same way with ashy margins to the feathers; but no rufous apparent anywhere, though there is a slight tinge of buff over the eye and behind the ear-coverts; forehead, lores, cheeks, and under surface of body white, the two black bands of the adult being replaced by brown ones.

Hab. Falkland Islands. Patagonia to Chili and the Argentine Republic.

c–d. Ad. ak.	Falkland Islands.	Antarctic Expedition.
e. Ad. ak.	Falkland Islands.	Gould Coll.
f. Ad. ak.	Uranie Bay, Falklands, May.	McCormick Bequest.
g. Imm. ak.	South America.	The Admiralty [P.].
h. Ad. ak.	Port Julian, Patagonia.	Sir W. Burnett & Capt. Fitzroy [P.].
i. ♂ ad.; *k.* ♀ imm. ak.	Rio Negro, Patagonia, July (*W. H. Hudson*).	Salvin-Godman Coll.
l, m. ♂ ♀ ad.; *n, o.* Imm. ak.	Chupat, Patagonia, Sept., Dec.	H. Durnford, Esq. [C.].
p, q. Imm. ak.	Chili.	Bridges Coll.
r, s, t. Ad. ak.	Central Chili.	Berkeley James Coll.
u. ♀ imm. ak.	Province Santiago, Chili (*Leybold*).	Salvin-Godman Coll.

15. Ægialitis pecuaria.

Charadrius varius (*nec Linn.*), *Vieill. N. Dict. d'Hist. Nat.* xxvii. p. 143 (1818).

Charadrius pecuarius, *Temm. Pl. Col.* v. pl. 183 (1823); *Licht. Verz. Doubl.* p. 71 (1823); *Wagl. Syst. Av.*, Charadrius, p. 60, sp. 17 (1827); *Less. Traité d'Orn.* p. 544 (1831); *Kittlitz, Kupf. Voy.* p. 26, tab. 34. fig. 1 (1833); *Gray, Gen. B.* iii. p. 544 (1847); *Strickl. P. Z. S.* 1850, p. 221 (Kordofan); *Grill, Zool. Anteckn.* pp. 11, 52 (1859: Knysna; Cape Town); *Schl. Mus. Pays-Bas*, Cursores, p. 34 (1865); *Grand. Rev. et Mag. de Zool.* 1867, p. 419; *Finsch, Trans. Zool. Soc.* vii. p. 297 (1870: Zoulla, June); *id. & Hartl. Vog. Ostafr.* p. 662, note (1870); *Gray, Hand-l. B.* iii. p. 16, no. 10015 (1871); *Heugl. Orn. N.O.-Afr.* ii. Abth. 1, p. 1035, Taf. xxxiv. fig. 7 (1873); *Hartl. Vög. Madag.* p. 291 (1877); *Reichen. J. f. O.* 1877, p. 11; *Fischer, J. f. O.* 1879, p. 284 (Mambrui); *id. & Reichen. t. c.* p. 337; *Milne-Edwards & Grandidier, Hist. Nat. Madag., Ois.* p. 511 (1882); *Fischer, J. f. O.* 1885, p. 115 (Mambrui); *Seebohm, Geogr. Distr. Charadr.* p. 158 (1888); *Reichen. J. f. O.* 1890, p. 107 (Cameroons); *Emin, J. f. O.* 1891, p. 58; *Reichen. t. c.* p. 141; *id. J. f. O.* 1892, p. 7 (Bukoba); *id. Vog. Deutsch-Ost-Afr.* p. 34 (1894: Ugogo; Karéma; Masai Steppes; Tanganyika; Kagehi; Bukoba); *Shelley, Ibis*, 1894, p. 74 (Lake Shirwa).

Charadrius pastor, *Cur. Mus. Paris*; *Less. Man. d'Orn.* ii. p. 319 (1828); *id. Compl. Buff.* ix. p. 394 (1837).

Hiaticula pecuaria, *Rupp. Syst. Uebers.* p. 118 (1845: Egypt); *Licht. Nomenel. Av. Mus. Berol.* p. 94 (1854: Nubia).

Ægialitis pecuarius kitlittzi, *Reichenb. Grall.* Taf. cv. fig. 1063 (1851).

Charadrius isabellinus, *Muller, Naum.* 1851, pt. iv. p. 29 (Sennaar).

Ægialitis pecuarius, *Strickl. Ann. & Mag. N. H.* (2) ix. p. 348 (1852: Kordofan); *Heugl. Syst. Uebers.* p. 50 (1856: Egypt); *Hartl. Orn. W.-Afr.* p. 215 (1857: Ashantee; Cape Lopez); *Cass. Proc. Philad. Acad.* 1859, p. 173 (Camma River); *Heine, J. f. O.* 1860, p. 190; *Hartl. J. f. O.* 1861, p. 268; *Taylor, Ibis*, 1867, p. 68 (Nile, near Gingeh); *Layard, t. c.* p. 250; *Gurney in Anderss. B. Dam Ld.* p. 274 (1872: Otjimbinque, Damara-land, not breeding); *Shelley, B. Egypt*, p. 230 (1872); *id. & Buckley, Ibis*, 1872, p. 253 (Cape Coast Castle); *Harting, P. Z. S.* 1874, p. 457, pl. lx. fig. 4 (egg); *Sharpe & Bouvier, Bull. Soc. Zool. France*, i. p. 313 (1876: Chiloango, Landana); *Oustalet, Nouv. Arch. Mus.* (2) ii. *Bull.* p. 145 (1879: Gaboon); *Bocage, Orn. Angola*, p. 432 (1881: Benguela); *Hartert, J. f. O.* 1886, p. 610 (Kaura; Sokoto;

Anassawara); *Shelley, Ibis*, 1888, p. 305 (Manda Isl.; Jipi); *id. P. Z. S.* 1888, p. 49 (Kibiro).

Hiaticula pectoralis, *Licht. Nomencl. Av. Mus. Berol.* p. 94 (1854: Kaffraria).

Hiaticula frontalis, *Licht. Nomencl. Av.* p. 94 (S. Africa).

Ægialitis longipes (*nec Temm.*), *Heugl. Syst. Uebers.* p. 56 (1856: Blue and White Niles; Nubia).

Leucopolius pecuarius, *Bp. C. R.* xliii. p. 417 (1856); *Antin. Cat. descr. Ucc.* p. 96 (1864: Egypt); *Heine & Reichen. Nomencl. Mus. Hein.* p. 337 (1890: Egypt).

Leucopolius kitlittzi, *Bp. C. R.* xliii. p. 417 (1856).

Charadrius kitlittzi, *Layard, B. S. Afr.* p. 297 (1867: Cape Colony); *Gray, Hand-l. B.* iii. p. 16, no. 10016 (1871: Egypt & Nubia).

Ægialitis kitlittzi, *Newton, Ibis*, 1867, p. 251 (Cape Town); *Ayres, Ibis*, 1869, p. 300 (Transvaal).

Ægialitis varius, *Harting, Ibis*, 1873, p. 262, pl. viii.; *Ayres, Ibis*, 1878, p. 299 (Transvaal, breeding in August), 1880, p. 267 (Transvaal); *Salvin, Cat. Strickl. Coll.* p. 598 (1882: Kordofan); *Salvad. Ann. Mus. Genov.* (2) i. p. 218 (1884: Lake Cialalakà, Shoa); *Sharpe, ed. Layard's B. S. Afr.* p. 661 (1884).

Adult male. General colour above brown, with paler margins to most of the feathers of the upper surface; the lower back, rump, and central upper tail-coverts blackish brown, the sides of the rump and lateral upper tail-coverts white; wing-coverts like the back, with pale margins to the feathers, but with no more than a white fringe to the greater coverts, so that there is no conspicuous wing-bar; marginal coverts blackish, forming a band along the edge of the wing; primary-coverts and quills blackish, with white shafts to the first primary and with little or none on the inner primaries, the secondaries blackish brown, narrowly fringed with white at the ends, the innermost secondaries like the back; the four central tail-feathers blackish brown, the next pair smoky brown with white tips, the lateral feathers white with a shade of smoky brown on the outer web; crown of head brown; forehead white, extending backwards in a broad eyebrow and forming a collar round the nape, this succeeded by a blackish shade on the upper mantle, which is united to a broad black band traversing the ear-coverts and joining the lower eyelid and black loral streak, the white forehead separated from the crown of the head by a tolerably broad band of black, which is again followed by an indistinct line of white; sides of face, throat, and underparts white, with the exception of the chest and sides of breast, which are tinged with rusty; on each side of the chest a brown patch; under wing-coverts and axillaries white like the breast; quills below white, internally ashy: "tibia and toes bluish black, the tarsus greyish: iris very dark brown" (*C. J. Andersson*). Total length 6·5 inches, culmen 0·75, wing 3·95, tail 1·7, tarsus 1·2, middle toe and claw 0·85.

Adult female. Similar to the male in colour. Total length 6 inches, culmen 0·7, wing 3·9, tail 1·6, tarsus 1·15.

The third primary never seems to have a white shaft, though

sometimes an infinitesimal line of white occurs on the latter, and this is mostly the case with East-African individuals. Some of those from the Cape Colony are not only rather larger in size, but have two or three primaries uniformly brown-shafted.

Young birds differ from the adults in wanting the black band on the forehead, so that the crown is entirely like the back; the forehead, eyebrow, and sides of face are tinged with rusty, and there is no black on the upper mantle.

Hab. Africa generally, extending into the Delta of Egypt.

a. Ad. sk. [w. 3·9].	Egypt, March 8.	J. H. Gurney, Esq. [P.].
b. Ad. sk. [w. 3·45].	Tani, Soudan.	Capt. Willoughby Verner [P.].
c, *d*. ♂ ♀ ad. sk. [w. 4·0].	Kibiro, Equatorial Africa, June.	Emin Pasha [P.].
e, *f*. ♂ ♀ ad. sk. [w. 3·9 3·45].	Lake Jipi, Aug., Sept.	F. J. Jackson, Esq. [P.].
g, *h*. ♂ ♀ ad. sk. [w. 3·9 3·85].	Manda Island.	F. J. Jackson, Esq. [P.].
i, *k*, *l*. Ad. sk. [w. 3·9 4·0].	Tete, Zambesi (*Sir J. Kirk*).	Livingstone Exped.
m. ♂ ad. sk. w. 4·25.	Transvaal (*T. Ayres*).	Sharpe Coll.
n. ♀ ad. sk. w. 4·1.	Potchefstroom, Aug. 16 (*T. Ayres*).	Gurney Coll.
o. ♀ ad. sk. w. 4·3.	Kingwilliamstown, April 30 (*C. Newby*).	Major Trevelyan [P.].
p. ♀ ad. sk. w. 4·1.	Port Elizabeth, May 18 (*J. C. Rickard*).	Seebohm Coll.
q, *r*. Ad. sk. w. 4·3 4·35.	Cape Colony (*E. L. Layard*).	Salvin-Godman Coll.
s. Ad. sk. w. 4·1].	Cape Colony.	Seebohm Coll.
t. Ad. sk. w. 4·35.	South Africa.	Sir A. Smith.
u, *v*. ♂ ♀ ad. w. 4·2. *w* ♀ juv. sk.	Otjimbinque, Damara-land, Nov., March (*C. J. Andersson*).	Seebohm Coll.
x. ♂ ad.; *y*, *z*. Juv. sk.	Otjimbinque, Jan., Nov. (*C. J. A.*).	Gurney Coll.
a'. Ad. sk. w. 3·45.	Angola (*J. J. Monteiro*).	Seebohm Coll.
b'. Ad. sk. w. 4·0.	Gaboon (*Duchaillu*).	Tweeddale Coll.
c'. Ad. sk. w. 3·85.	Fantee (*H. T. Usher*).	Seebohm Coll.
d' Ad.; *e'*, *f'*. Juv. sk. w. 3·45.	Cape Verd, Senegambia.	L. Laglaize [C.].

16. Ægialitis sanctæ helenæ.

Charadrius pecuarius (*nec Temm.*), *Layard*, *Ibis*, 1867, p. 251; *Newton*, *l. c.* pp. 251, 252, note; *Baker*, *Zool.* 1868, p. 1475; *Mellish*, *Ibis*, 1870, p. 104.

Ægialitis sanctæ helenæ, *Harting*, *Ibis*, 1873, p. 266, pl. ix.; *Mellish*, *St. Helena*, p. 95, pl. to p. 88 (1875).

Charadrius sanctæ helenæ, *Seebohm, Geogr. Distr. Charadr.* p. 160 (1888).

Adult. Similar to *Æ. pecuaria*, but much larger. Total length 7·5 inches, culmen 0·9, wing 4·4, tail 2, tarsus 1·55.

Hab. Island of St. Helena.

a, b. Ad. sk.	St. Helena.	Old Collection.
c. Ad. sk.	St. Helena.	J. H. Le Keux, Esq. [P.].
d. Imm. sk.	St. Helena.	Dr. Gillespie [P.].
e. Ad. sk.	St. Helena.	Seebohm Coll. (Type of species.)
f, g. ♂ ♀ ad. sk.	St. Helena.	Seebohm Coll.

17. Ægialitis melanops.

Charadrius melanops, *Vieill. N. Dict. d'Hist. Nat.* xxvii. p. 139 (1818); *Gray, Gen. B.* iii. p. 544 (1847).

Charadrius nigrifrons, *Temm. Pl. Col.* v. pl. 47. fig. 1 (1823); *Less. Traité d'Orn.* p. 544 (1831); *Bp. C. R.* xliii. p. 417 (1856); *Schl. Mus. Pays-Bas*, Cursores, p. 31 (1865); *Gray, Hand-l. B.* iii. p. 16, no. 10008 (1871).

Ægialitis nigrifrons, *Boie, Isis*, 1826, p. 978; *Gould, Syn. B. Austr.* pl. 32. fig. 1 (1837); *Gould, Handb. B. Austr.* ii. p. 232 (1865); *Ramsay, Ibis*, 1866, p. 334 (Port Denison); *Blyth, Ibis*, 1867, p. 165; *Harting, P. Z. S.* 1874, p. 459, pl. lx. fig. 9; *Ramsay, P. Z. S.* 1877, p. 337 (Queensland, breeding); *id. Proc. Linn. Soc. N. S. W.* ii. p. 197 (1878); *Hume, Str. F.* vii. p. 438 (1878), viii. p. 112 (1879); *North, Proc. Linn. Soc. N. S. W.* (2) i. p. 1164 (1887); *Ramsay, op. cit.* (2) ii. p. 171 (1888: Derby, N.W. Austr.); *id. Tab. List Austr. B.* p. 19 (1888: Australia generally, except N. Austr. and Cape York); *Seebohm, Geogr. Distr. Charadr.* p. 138 (1888); *North, Nests & Eggs Austr. B.* p. 304 (1889); *id. Proc. Linn. Soc. N. S. W.* (2) iii. p. 1778 (1889: Cumberland, N.S.W.); *Cox & Hamilton, op. cit.* (2) iv. p. 419 (1890: Mudgee District); *North, t. c.* p. 1025 (Raeburne, N.W. Australia); *Legge, Proc. Austr. Assoc.* 1892, p. 39.

Charadrius russatus, *Jerd. Madr. Journ.* xii. p. 213 (1840: Madras).

Hiaticula nigrifrons, *Gray, List Grall. Brit. Mus.* p. 71 (1844); *Gould, B. Austr.* vi. pl. 20 (1845); *Sturt, Exp. Centr. Austr.* ii. App. p. 49 (1849); *Blyth, Cat. B. Mus. As. Soc.* p. 264 (1849); *Reichenb. Vög. Neuholl.* p. 42 (1850); *Licht. Nomencl. Av. Mus. Berol.* p. 94 (1854).

Adult male. General colour above dark sandy brown, with darker brown bases to the feathers; rump slightly washed with rufous; sides of lower back and sides of rump white; lesser wing-coverts dark brown; median and greater series ashy brown, with blackish shaft-stripes, and mottled with the white inner webs to the feathers: the greater coverts paler ashy brown, with white tips; scapulars deep maroon-chestnut, forming a conspicuous patch down each side of the back; bastard-wing, primary-coverts, and primaries black, the secondaries white on the inner web, dark brown on the outer one, the brown decreasing in extent towards the inner feathers till it becomes obsolete and disappears on the inner

secondaries, so that two at least of these are pure white; the innermost long secondaries brown, externally lighter brown, washed with rufous; upper tail-coverts rufous, with blackish centres to most of them; centre tail-feathers blackish, the next ones ashy brown at the base and tipped with white, before which there is a sub-terminal black band, decreasing in extent towards the outer feathers, the outermost being entirely white, with a little spot of black near the end of the inner web only; crown of head brown; forehead and lores black, as well as the feathers above and below the eye, extending in a band along the ear-coverts, and joining a black patch on the hind-neck; this black band separated from the brown crown by a broad superciliary line of white, which starts from behind the lores, encircles the sides of the crown, and meets on the nape: cheeks, throat, and underparts white, with a broad black collar on the fore-neck, descending to a point on the breast, and uniting laterally with the black collar round the hind-neck; under wing-coverts and axillaries white, those round the bend of the wing blackish like the lower surface of the primaries: "bill orange at the base and black at the tip; feet orange flesh-colour in some, in others pale flesh-colour; eyelid bright red; iris dark brown" (*J. Gould*). Total length 6 inches, culmen 0·65, wing 4·4, tail 2·1, tarsus 0·9.

Adult female. Similar to the male in plumage, but with the maroon scapulars somewhat paler. Total length 5·8 inches, wing 4·3.

Young. Reproduces the colours of the adult, but has the whole of the upper plumage mottled with sandy-buff edges to the feathers, with generally a sub-marginal line of dusky blackish; scapulars blackish, with maroon tips to the feathers as well as to the lesser wing coverts; head entirely brown, with no black on the forehead; eyebrow sandy buff; nape with a white patch; under surface of body white, with no black band on the fore-neck, but some of the lateral feathers of the latter mottled with dusky bases.

Hab. Australia. Supposed to have occurred once in Madras.

a. Ad. st.	Australia.	J. Gould, Esq. [P.].
b. Ad. sk.	Australia.	Sir T. Mitchell [P.].
c. Ad. sk.	Australia.	Lady Carrington [P.].
d. Ad. sk.	Australia.	Tweeddale Coll.
e. Ad. sk.	South Australia.	Capt. Sturt [P.].
f, g. Ad. sk.	South Australia.	Sir G. Grey [P.].
h, i. Ad. sk.	New South Wales.	Australian Museum.
k. Ad. sk.	New South Wales.	Gould Coll.
l. Ad. sk.	Wellington, N.S.W.	Lord Leigh [P.].
m, n, o. Ad. sk.	Queensland.	Salvin-Godman Coll.
p, q. ♂ ♀ ad. sk.	Queensland.	Seebohm Coll.
r. Ad. sk.	Queensland.	Tweeddale Coll.
s. Ad. sk.	N.W. Australia.	J. R. Elsey, Esq. [P.].
t. ♂ ♀ ad.; *u, v.* Juv. sk.	Derby, N.W. Australia (*T. H. Bowyer Bowyer*).	Capt. Bowyer Bowe. [P.].
w. ♂ ad. sk.	River Avon, Western Australia, June 17.	Gould Coll.

18. Ægialitis cucullatus.

Charadrius cucullatus, *Vieill. N. Dict. d'Hist. Nat.* xxvii. p. 136 (1818); *Gray, Gen. B.* iii. p. 544 (1847).
Charadrius monachus, *Wagl. Syst. Av.*, Charadrius, p. 60, sp. 15 (1827); *Less. Traité d'Orn.* p. 545 (1831); *Schl. Mus. Pays-Bas*, Cursores, p. 35 (1865); *Gray, Hand-l. B.* iii. p. 16, no. 10007 (1871); *Seebohm, Geogr. Distr. Charadr.* p. 127, pl. v. (1888).
Ægialitis monachus, *Gould, Syn. B. Austr.* pl. 32. fig. 2 (1837); *id. B. Austr.* part 2, pl. 10 (1838, cancelled); *id. Handb. B. Austr.* ii. p. 231 (1865); *Ramsay, Proc. Linn. Soc. N.S.W.* ii. p. 197 (1878), vii. p. 57 (1883: egg); *North, op. cit.* (2) i. p. 1164 (1887); *Ramsay, Tab. List Austr. B.* p. 19 (1888: Wide Bay distr.; Richmond and Clarence Rivers; N. S. W.; Victoria; Tasmania; W. Australia); *North, Nests & Eggs Austr. B.* p. 304 (1889); *Heine & Reichen. Nomencl. Mus. Hein.* p. 336 (1890); *Legge, Proc. Austr. Assoc.* 1892, p. 39.
Hiaticula monacha, *Gray, List Grall. Brit. Mus.* p. 70 (1844); *Gould, B. Austr.* vi. pl. 18 (1848); *Reichenb. Vög. Neuholl.* p. 207 (1850).
Hiaticula cucullata, *Licht. Nomencl. Av. Mus. Berol.* p. 94 (1854).
Leucopolius monachus, *Bp. C. R.* xliii. p. 417 (1856).

Adult male. General colour above pale ashy grey, the rump ashy only in the middle, the sides being white; wing-coverts like the back, but the median series rather lighter, the greater series broadly tipped with white; bastard-wing, primary-coverts, and quills blackish brown, and slightly fringed with white at the tips; the quills with a large white patch across both webs, including the shaft, and leaving the end of the feather blackish; the secondaries white, with a sub-terminal mark of brown, decreasing gradually in extent and becoming obsolete on the inner secondaries, which are pure white; the innermost long secondaries ashy like the back; central upper tail-coverts blackish brown, the lateral ones white; centre tail-feathers blackish brown, the others white for the most part and tipped with white, before which is a sub-terminal band of blackish brown, which becomes gradually smaller towards the outer feathers, which are entirely white; crown of head and nape, as well as the sides of the face, sides of neck and throat, black, enclosing a broad white collar round the hind-neck, which is followed by a black mantle-patch, which joins the black throat laterally; a whitish spot below the eye; remainder of under surface of body pure white, with a black patch on the sides of the chest; axillaries and under wing-coverts white, like the quill-lining: "bill rich orange at the base, passing into yellow and black at the tip; legs flesh-colour; eyelid rich reddish orange or scarlet; iris yellowish or orange-brown" (*J. Gould*). Total length 8·3 inches, culmen 0·7, wing 5·4, tail 2·6, tarsus 1·05.

Adult female. Similar to the male in colour. Total length 8 inches, wing 5·5. Mr. Gould says that the female differs from the male in having the crown mottled with black and white, the face and throat white, and in having only a narrow line of black at the base of the neck behind.

Young birds, according to Mr. Gould, may be known by having the feathers of the back and upper surface narrowly fringed with brownish black.

Hab. Australia and Tasmania.

a. Ad.; *b*. Juv. sk.	Australia.	Purchased.
c. Ad. sk.	Australia.	Gould Coll.
d. Ad. sk.	Australia.	H. Brown, Esq. [P.].
e, *f*. Ad. sk.	Queensland.	Salvin-Godman Coll.
g. ♀ ad. sk.	Ulladulla, New South Wales, July.	Hume Coll.
h, *i*. Ad. sk.	South Australia.	Sir G. Grey [P.].
k. ♂ ad.; *l*. Ad. sk.	Flinders Island, Bass' Straits, Jan. 17 (*F. M. Rayner*).	Voy. H.M.S. 'Herald.'

33. PLUVIANELLUS.

	Type.
Pluvianellus, *Jacq. et Pucher. Voy. Pôle Sud, Zool.* iii. p. 124 (1853)	P. sociabilis.

Range. Confined to Patagonia.

1. Pluvianellus sociabilis.

Pluvianellus sociabilis, *Jacq. et Pucher. Voy. Pôle Sud, Zool.* iii. p. 125, pl. 30 (1853: Straits of Magellan); *Gray, Hand-l. B.* iii. p. 22, no. 10071 (1871).

Pluvianellus socialis, *Gray, Gen. B.* iii. p. 549 (1846).

Strepsilas sociabilis, *Giebel, Thes. Orn.* iii. p. 541 (1877).

Charadrius sociabilis, *Seebohm, Geogr. Distr. Charadr.* p. 107, pl. ii. (1888: Tova Harbour, Patagonia); *Oust. Miss. Sci. Cap Horn, Ois.* p. 288 (1891).

Adult. General colour above light grey or dove-colour; wing-coverts like the back, the greater series tipped with white, forming a wing-bar; bastard-wing and primary-coverts blackish brown, the inner ones of the latter series tipped with white; quills blackish brown on the outer webs and at the end of the inner web, paler grey on the inner web, the feathers white-shafted for more than their terminal half, and the inner primaries white for some distance along the outer web; secondaries white at the base, brown near the end of the outer web; this brown colour gradually diminishing in extent towards the inner secondaries, which are quite white, the innermost long secondaries grey like the back; median upper tail-coverts blackish, the lateral ones white; centre tail-feathers blackish, with some white on the outer web, the next pair white on the outer web, blackish on the inner one, the remainder white, dusted with brown on the outer web; crown of head like the back, the forehead inclining to whitish; lores dusky; sides of face and throat greyish white, becoming darker grey on the ear-coverts and sides of neck, which resemble the back; across the fore-neck and chest a broad band of light brown, washed with ashy;

remainder of under surface of body, including the under wing- and tail-coverts, white: "iris, legs, and feet, pink" (*J. Young*). Total length 7·5 inches, culmen 0·6, wing 5·35, tail 2·35, tarsus 0·7.

Hab. Patagonia.

a. Ad. sk. Patagonia. Capt. King [P.].

34. THINORNIS.

	Type.
Thinornis, *Gray, Voy. Ereb. & Terr., Birds*, p. 11 (1846)	T. novæ zealandiæ.

Range. Confined to New Zealand and the Chatham Islands.

1. Thinornis novæ zealandiæ.

New Zealand Plover, *Lath. Gen. Syn.* iii. pt. 1, p. 206, pl. lxxxiii. (1785: Queen Charlotte's Sound).

Charadrius novæ zealandiæ, *Gm. Syst. Nat.* i. p. 684 (1788); *Vieill. N. Dict. d'Hist. Nat.* xxvii. p. 143 (1818); *Seebohm, Geogr. Distrib. Charadr.* p. 128 (1888).

Charadrius dudoroa, *Wagl. Syst. Av.*, Charadrius, p. 60, sp. 14 (1827).

Hiaticula novæ zealandiæ, *Gray in Dieffenb. Trav. N. Zeal.* ii. App. p. 195 (1843).

Charadrius torquatula, *Forst. Icon. ined.* tab. 121; *id. Descr. Anim.* p. 108 (1844).

Thinornis novæ zealandiæ, *Gray, Voy. Ereb. & Terr., Birds*, p. 12, pl. ii. (1846); *id. Gen. B.* iii. p. 545 (1847); *Bp. C. R.* xliii. p. 417 (1856); *Gray, Ibis*, 1862, p. 234; *Hutton, Ibis*, 1870, p. 394 (Great Barrier Isl.); *Finsch, J. f. O.* 1870, p. 431; *Gray, Hand-l. B.* iii. p. 17, no. 10022 (1871); *Hutton, Ibis*, 1872, p. 246 (Mangare, Chatham Isl.); *Buller, B. New Zeal.* p. 214, pl. 23 (1873); *Hutton, Ibis*, 1874, p. 34; *Potts, Zool.* 1875, p. 4485; *Sharpe, Voy. Ereb. & Terr., Birds*, App. p. 29 (1875); *Potts, Zool.* 1885, p. 422; *Buller, B. New Zeal.* 2nd ed. ii. p. 11, pl. 26. fig. 1 (1888); *H. O. Forbes, Ibis*, 1893, p. 528, pl. xiv. figs. 5, 6 (eggs), pl. xv. fig. 2 (pull.).

? Charadrius atricinctus, *Ellman, Zool.* 1861, p. 7469 (New Zealand).

Strepsilas novæ zealandiæ, *Schl. Mus. Pays-Bas*, Cursores, p. 45 (1865: New Zealand).

Adult male. General colour above dark brown, with slight margins of paler brown; lesser wing-coverts like the back, the median and greater coverts rather greyer, with dusky streaks, the greater coverts tipped with white, forming a wing-bar; bastard-wing and primary-coverts blackish, the latter tipped with white; quills light brown on the inner web, blackish on the outer web and at the end of the inner web; the shaft of the primaries white before the ends, extending a little on each side of the shaft, and occupying the base of the outer web, forming a wing-patch; secondaries blackish brown, edged with white at the ends, and with white bases, the white increasing in extent and the brown on the outer web decreasing, until on the inner secondaries the latter colour disappears, and these quills are entirely white; the long innermost

secondaries dark brown, with narrow whitish margins to some of the feathers; rump and central upper tail-coverts black, the lateral ones white; centre tail-feathers black, the next ones ashy brown, tipped with white, and with a distinct sub-terminal mark of black, almost obsolete on the penultimate feather, the outermost being pure white; crown of head brown, slightly varied with darker brown centres, and surrounded by a band of white, not quite so strongly marked round the nape; forehead, lores, entire sides of face, and throat black, extending over the sides of the neck and forming a collar across the mantle; remainder of under surface of body pure white, excepting for some brown feathers on the sides of the upper breast and on the outer aspect of the thighs; under wing-coverts and axillaries pure white, the lower primary-coverts grey, like the quill-lining: "legs pale yellow; iris light red with blue-black centre" (*T. Hawkins*): "eyelid red; bill orange for more than half its length, then black to the tip; tarsi and toes orange; claws black; iris black" (*W. L. Buller*). Total length 7 inches, culmen 1·05, wing 4·7, tail 2·5, tarsus 0·9.

Adult female. Rather smaller and duller in colour than the male, and with less orange on the bill and feet (*W. L. Buller*).

Young. Differs from the adult in having only the basal part of the bill yellow, and the forehead white like the eyebrow and sides of face; throat also white instead of black. In a young male obtained by Mr. W. Hawkins in the Chatham Islands in May, the forehead and throat are much dappled with black, apparently signs of the approaching adult plumage. There appear to be no additional sandy margins to the feathers of the upper surface, usual in the immature Sand-Plovers; but certainly these white-throated birds cannot represent the winter plumage of the species, as black-throated specimens were killed on the same day.

Sir Walter Buller believes that the type-specimen of *Thinornis rossi*, from the Auckland Islands, represents the young of *T. novæ zealandiæ*; but this is certainly not correct, for the bird in question is quite adult, and must, in my opinion, belong to a distinct species.

Nestling. Principally sandy-coloured above, with minute spots or freckles of black and greyish white, with an indication of a black line round the nape; the region of the wing rather more rufous; entire under surface pure white.

Hab. New Zealand; Chatham Islands.

a, b. Ad. ♂. New Zealand. Percy Earl, Esq.
c–f. ♂♀ ad. et imm.; Chatham Islands, May. Dr. H. O. Forbes [C.].
g. Pull. ♂.

2. Thinornis rossi.

Thinornis rossi, *Gray, Voy. Erebus & Terror, Birds*, p. 12, pl. xi*. (1848); *id. Gen. B.* iii. p. 546 (1847); *Bp. C. R.* xlii. p. 417 (1856); *Gray, Ibis*, 1862, p. 235; *Finsch, J. f. O.* 1870, p. 431; *Gray, Hand-l. B.* iii. p. 17, no. 10023 (1871); *Hutton, Ibis*, 1874, p. 34.

Adult (type of species). Similar to *T. novæ zealandiæ*, but differing in its much darker colour, which is uniform brown, and by having the sides of the body extensively mottled with brown bases to the feathers. Total length 7·5 inches, culmen 1, wing 4·8, tail 2·4, tarsus 0·95.

Hab. Auckland Islands.

a. Ad. sk.	Auckland Islands.	The Admiralty [P.].	(Type of species.)

35. ANARHYNCHUS.

Type.

Anarhynchus, *Quoy et Gaimard, Voy. de l'Astrolabe, Zool.* i. p. 252 (1830) ..... A. frontalis.

Range. Confined to New Zealand.

1. Anarhynchus frontalis.

Anarhynchus frontalis, *Quoy et Gaim. Voy. de l'Astrol., Zool.* i. p. 252, pl. 31. figs. 2–5 (1830: Chourika Bay, N.Z.); *Less. Compl. Buff.* ix. p. 427 (1837); *Gray in Dieffenb. Trav. N. Zeal.* ii. App. p. 196 (1843); *id. Voy. Ereb. & Terr., Birds*, p. 12 (1846); *Bp. C. R.* xliii. p. 597 (1856); *Harting, Ibis*, 1869, p. 304, pl. viii.; *Hutton, Ibis*, 1870, p. 394 (Auckland); *Newton, P. Z. S.* 1870, pp. 673, 674 (N.Z.); *Finsch, J. f. O.* 1872, p. 169; *Buller, B. New Zeal.* p. 216 (1873); *Finsch, J. f. O.* 1874, p. 194 (N.Z.); *Hutton, Ibis*, 1874, p. 40; *Harvie-Brown, t. c.* p. 97 (Otai River-bed, Canterbury Settlement, breeding, Oct.); *Buller, t. c.* p. 118; *Harting, P. Z. S.* 1874, p. 549, pl. lx. fig. 11 (egg); *Sharpe, Voy. Ereb. & Terr., Birds*, App. p. 29 (1875); *Harvie-Brown, Ibis*, 1875, p. 519; *Buller, B. New Zeal.* 2nd ed. ii. p. 9, pl. xxvi. fig. 2 (1888).

Thinornis frontalis, *Gray, Gen. B.* iii. p. 545 (1847); *id. Hand-l. B.* iii. p. 17, no. 10024 (1871).

Anarhynchus albifrons, *Reichenb. Grall.* tab. civ. fig. 658 (1848); *Schl. Handl. Dierk.* i. p. 435 (1857).

Charadrius frontalis, *Ellman, Zool.* 1861, p. 7469; *Gray, Ibis*, 1862, p. 234; *Seebohm, Geogr. Distr. Charadr.* p. 152 (1888).

Hæmatopus frontalis, *Finsch, J. f. O.* 1867, p. 346.

Adult male. General colour above pale slaty grey; wing-coverts like the back, the greater series slightly fringed with whitish; bastard-wing, primary-coverts, and primaries blackish, the latter greyer on the inner webs, blackish at the tip and on the outer web, shafts white for the greater part, and the inner primaries white near the base on the inner webs; secondaries ashy brown, paler externally and fringed with white at the ends; the long inner secondaries entirely grey; lower back, rump, and upper tail-coverts slightly darker than the back, the tail-coverts with black shaft-streaks; centre tail-feathers dusky blackish with grey edges, the outer feathers gradually paler grey and whitish at the tips, the outermost feathers white with a little grey before the ends; head like the back; a broad white forehead extending above the eye and separated from the crown by an indistinct line of blackish; lores

dusky grey, as also the upper edge of the ear-coverts; cheeks, throat, and under surface pure white, with a black band across the fore neck; axillaries and under wing-coverts white; the lower greater coverts ashy like the quill-lining: "bill black; legs and feet blackish green tinged with grey; iris black" (*W. L. Buller*). Total length 7 inches, culmen 1·1, wing 4·75, tail 1·9, tarsus 0·95.

Adult female. Similar to the male. Total length 7·5 inches, culmen 1·1, wing 4·75, tail 1·9, tarsus 0·95.

Hab. New Zealand.

a.	Ad. sk.	New Zealand.	Sir Samuel Scott [P.].
b.	Ad. sk.	Auckland.	Sir G. Grey [P.].
c.	♂ ad.; *d*, *e*, *f*. ♀ ad. sk.	Selwyn River, Oct., Feb.	Colonial Museum, Wellington P..
g.	Ad. sk.	West Coast of South Island.	Tweeddale Coll.

Subfamily V. PELTOHYATINÆ.

36. PELTOHYAS.

Eudromias, pt., *auct. recent.*

Range. Confined to Australia.

1. Peltohyas australis.

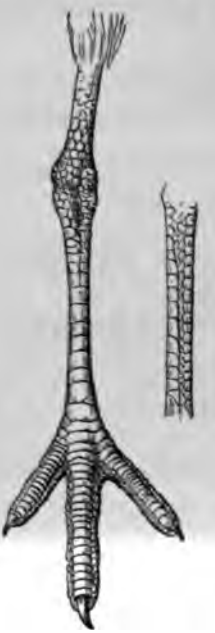
Eudromias australis, *Gould*, *P. Z. S.* 1840, p. 174 (interior of S. Australia); *id. B. Austr.* vi. pl. 15 (1843); *Gray*, *List Gralt. Brit. Mus.* p. 68 (1844); *Sturt*, *Exp. Centr. Austr.* ii. App. p. 40 (1849: Plains of Adelaide); *Reichenb. Grallat. Suppl.* tab. cv. figs. 1065 67 (1851); *Licht. Nomencl. Av. Mus. Berol.* p. 85 (1854); *Schl. Mus Pays-Bas*, Cursores, p. 47 (1865); *Gould*, *Handb B. Austr.* ii. p. 227 (1865); *Harting*, *Ibis*, 1870, p. 202; *Ramsay*, *Proc. Linn. Soc. N.S.W.* i. p. 187 (1877: N.S.W.; Queensland; Victoria; Interior; S. Australia); *Diggles*, *Orn. Austr.* pl. 97 (1877); *Ramsay*, *Proc. Linn. Soc. N.S.W.* ii. p. 197 (1878); *id. op. cit.* vii p. 410 (1883: Darling & Lachlan Rivers, breeding); *North*, *Proc. Linn. Soc. N.S.W.* (2) i. p. 1167 (1887); *Ramsay*, *Tab. List Austr. B* p. 19 (1888: N.S.W.; Interior; S. Australia); *North*, *Nests & Eggs Austr. B.* p. 303 (1889); *Heine & Reichen. Nomencl. Mus Hein.* p. 339 (1890).

Charadrius australis, *Gray*, *Gen. B.* iii. App. p. 25 (1849); *id. Hand-l. B.* iii. p. 14, no. 9901 (1871); *Seebohm*, *Geogr. Distr. Charadr* p. 110 (1888).

Morinellus australis, *Bp. C. R* xliii. p. 417 (1856).

Adult. General colour above sandy buff, mottled and streaked with dark brown centres to the feathers; wing-coverts like the back; bastard-wing, primary-coverts, and quills blackish brown, edged with sandy buff at the ends; all the primaries lighter brown on the inner webs except at the tips, the first primary with a white shaft, the next ones with the shaft pale cinnamon, this colour

extending on each side of the shaft of the inner feathers and also towards the base of the outer webs of the inner primaries, forming thereby a speculum of cinnamon-buff; the secondaries brown, edged with sandy rufous and inclining to cinnamon-buff towards the base; the long inner secondaries like the back; lower back, rump, and upper tail-coverts ashy brown, with pale cinnamon-buff margins;



Foot of *Peltohyas australis*, to show the scales on both aspects of tarsus.

tail-feathers dark brown, paler at the base and edged with sandy buff, more broadly at the tips, especially of the outer ones, which have whitish ends, with a sub-terminal dusky shade before the end of the inner web; crown of head sandy buff, spotted with blackish, and separated from the forehead by a broad band of black, reaching across from eye to eye; forehead, lores, and feathers round the eye isabelline, with a black patch below the eye extending backwards on to the ear-coverts, which are otherwise vinous buff like the throat and centre of the fore-neck; round the hind-neck a black collar descending on to the chest and skirting the fore-neck in the shape of a triangle; remainder of under surface sandy buff, the region of the præ-pectoral collar whitish below; centre of breast maroon-chestnut, dividing out on to the flanks; lower abdomen, thighs, and under tail-coverts white; under wing-coverts and axillaries vinous buff or pale cinnamon; lower primary-coverts and quill-lining ashy washed with pale cinnamon: "bill dark olive-brown; feet yellowish

brown" (*J. Gould*). Total length 8 inches, culmen 0·75, wing 5·35, tail 2·3, tarsus 1·35.

Young. Similar to the adult, but more sandy buff on the upper surface, the black band on the crown absent, the patch on the sides of the face and the collar round the hind-neck merely indicated by a blackish shade, and the triangular collar down the fore-neck absent, though the chestnut breast is present.

Hab. Australia.

a. Ad. sk.	Australia.	Old Coll.
b. Ad. st.	South Australia.	C. Wood, Esq. [P.].
c. Ad. st.	South Australia.	Purchased.
d, *e*. Ad. sk.	South Australia.	Sir G. Grey [P.].
f. Ad. sk.	South Australia.	Capt. Sturt [P.].
g, *h*, *i*. Ad. sk.	Queensland.	Salvin-Godman Coll.
k. Imm. sk.	Queensland.	Tweeddale Coll.

Subfamily VI. HIMANTOPODINÆ.

Key to the Genera.

a. Toes with scarcely any web, and divided to the base; no hind toe; tarsus more than twice the length of the middle toe and claw; bill nearly straight ..... [p. 309.] 37. HIMANTOPUS,

b. Toes webbed; no hind toe; tarsus more than twice the length of the middle toe and claw; bill with a slight upward curve ..... [p. 324.] 38. CLADORHYNCHUS,

c. Toes fully webbed; a hind toe; tarsus not more than twice the length of the middle toe and claw; bill strongly recurved; base of gonys flattened ..... [p. 326.] 39. RECURVIROSTRA,

37. HIMANTOPUS.

	Type.
Himantopus, *Briss. Orn.* v. p. 33 (1760)	H. himantopus.
Macrotarsus, *Lacep. Mem. de l'Inst. Paris*, iii. p. 518 (1801)	H. himantopus.
Himantellus, *Rafin. Analyse*, p. 210 (1815).....	H. himantopus.
Hypsibates, *Nitzsch in Ersch u. Gruber's Encycl.* xvi. p. 150 (1827)	H. himantopus.

Range. Almost cosmopolitan, but not extending beyond the temperate regions of either hemisphere.

Key to the Species.

a. Under surface of body white.

a'. Head and neck entirely white. [p. 310.]

a. Mantle and inner secondaries black .. *Himantopus* ♂ ad.,

b'' Mantle and inner secondaries brown .. *Himantopus* ♀ ad., p. 310.

b'. A white or grey collar round the hind neck above the mantle.
  c''. A black or grey mark on the ear-coverts.
    a'''. Forehead white, the black of the hind-neck extending over the crown as far as the line of the fore part of the eye ..... [p. 310. *himantopus*, 2nd year,
    b'''. Forehead white; crown grey like the hind-neck; back black (♂) or brown (♀ or ♂ juv.). [p. 310.
      *a*⁴. Ear-coverts ashy ..... *himantopus*, hornot.,
      *b*⁴. Ear-coverts black, like the hind-neck *melanurus* juv., p. 316.
    c'''. Forehead and fore part of crown white, the black of the hind-neck not reaching far before the occiput .... *melanurus* ad., p. 316.
  d''. No black or grey on the ear-coverts, which are entirely white like the entire head; hind-neck black from the nape ..... *leucocephalus*, p. 317.
c'. Head and neck black; no complete white collar on the latter; forehead white .... *picatus*, p. 319.
  e''. Ear-coverts and sides of neck for the most part white, excepting a black line under the eye; culmen 2·45 inch; tail grey with no black tip ..... *mexicanus*, p. 320.
  f''. Ear-coverts and sides of face black like the sides of the neck; tail tipped with black ..... *knudseni*, p. 323.
b. Under surface of body black like the upper surface .... *melas*, p. 324.

1. Himantopus himantopus.

The Black-winged Stilt.

L'Échasse, *Briss. Orn.* v. p. 33, pl. iii. fig. 1 (1760); *D'Aubent. Pl. Enl.* ix. pl. 878; *Buff. Hist. Nat. Ois.* viii. p. 114, pl. viii. (1781).

Charadrius himantopus, *Linn. Syst. Nat.* i. p. 255 (1766); *Scop. Ann.* i. p. 103 (1769); *Gm. Syst. Nat.* i. p. 690 (1788); *Chapm. Trav. S. Afr.* ii. App. p. 420 (1868).

Charadrius hæmantopus, *Bodd. Tabl. Pl. Enl.* p. 53 (1783).

Long-legged Plover, *Lath. Gen. Syn.* iii. pt. 1, p. 195 (1785).

Himantopus candidus, *Bonn. Enc. Méth.* i. p. 24 (1790); *Less. Traité d'Orn.* p. 550 (1831); *Gray, List Grall. Brit. Mus.* p. 97 (1844); *id. Cat. Mamm. etc. Nepal pres. Hodgs.* p. 138 (1846); *id. Gen. B.* iii. p. 577 (1847); *Bp. C. R.* xliii. p. 421 (1856); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 483 (1859); *Irby, Ibis*, 1861, p. 238 (Oude & Kumaon); *Simpson, t. c.* p. 366 (Dobrudscha); *Gray, List Brit. B.* p. 163 (1863); *Jerd. B. Ind.* iii. p. 704 (1864); *Schl. Mus. Pays-Bas*, Scolopaces, p. 105 (1864); *Antin. Cat. descr. Ucc.* p. 109 (1864: Kordofan & White Nile); *Gigl. Ibis*, 1865, p. 61 (Pisa); *Layard, B. S. Afr.* p. 328 (1867); *Grand. Rev. et Mag. de Zool.* 1867, p. 4 (Madagascar); *Degl. et Gerbe, Orn. Eur.* ii. p. 246 (1867); *Loche, Expl. Sci. Algér., Ois.* ii. p. 285 (1867); *Taylor, Ibis*, 1867, p. 69 (Egypt); *Blyth, t. c.* p. 169; *Tyrwhitt Drake, t. c.* p. 429 (Tangier); *Tristr. Ibis*, 1868, p. 326 (Palestine); *Bearan, t. c.* p. 395 (Umbala); *Smith, t. c.* p. 454 (Portugal); *Schl. & Poll. Faune Madag., Ois.* p. 160 (1868); *Doderl. Avif.*

Sicil. p. 198 (1869); *Saunders, Ibis*, 1869, p. 181 (S. Spain); *Hume, Ibis*, 1870, p. 145 (Gurgaon); *Feilden, t. c.* p. 295 (Secunderabad); *Elwes & Buckley, t. c.* p. 332 (Kustendji); *Fritsch, Vog. Eur.* tab. 34. fig. 5 (1870); *Gould, B. Great Brit.* iv. pl. 34 (1870); *Salvad. Faun. Ital., Uce.* p. 208 (1871); *Gurney, Ibis*, 1871, p. 280 (Algeria); *Swinh. P. Z. S.* 1871, p. 405 (Pekin); *Harting, Handb. Brit. B.* p. 135 (1872); *Shelley & Buckley, Ibis*, 1872, p. 293 (Accra); *Shelley, B. Egypt*, p. 260 (1872); *Hayes Lloyd, Ibis*, 1873, p. 417 (Kathiawar); *Irby, Orn. Straits Gibr.* p. 164 (1875); *Bartl. P. Z. S.* 1875, p. 68; *Dresser, Ibis*, 1876, p. 329; *Blanf. East. Persia*, ii. p. 286 (1876: Baluchistan, winter; Shiraz Lake, June); *Fairb. Str. F.* iv. p. 263 (1876: Ahmednuggur); *David & Oustal. Ois. Chine*, p. 462 (1877); *Hartl. Voy. Madag.* p. 328 (1877); *Dresser, B. Eur.* vii. p. 587, pls. 535, 536 (1877); *Prjev. in Rowley's Orn. Misc.* iii. p. 89 (1878: Hoang-ho, breeding); *Hume & Davison, Str. F.* vi. p. 464 (1878: Tenasserim); *Davidson & Wenden, Str. F.* vii. p. 89 (1878: Deccan); *Ball, t. c.* p. 229 (Rajmehal Hills; Loharlugga); *Cripps, t. c.* p. 304 (Faridpur); *Hume, Str. F.* viii. p. 113 (1879); *Tirant, Bull. Comité Agric. et Industr. Cochinchine*, (3) i. p. 156 (1879); *Butler, Cat. B. Sind, Kutch & Kathiawar*, p. 65 (1879: cold weather visitant); *id. Cat. B. S. Bomb. Pres.* p. 78 (1880); *Legge, B. Ceylon*, iii. p. 919 (1880); *Butler, Str. F.* ix. p. 430 (1880: S. Bombay); *Finsch, Ibis*, 1880, p. 79; *Reid, Str. F.* x. p. 73 (1881: Lucknow); *Biddulph, Ibis*, 1881, p. 97 (Gilgit); *Scully, t. c.* p. 500; *Gigl. Iconogr. Avif. Ital.* fasc. xii. (1881); *C. Swinh. Ibis*, 1882, p. 122 (Kandahar); *Davidson, Str. F.* x. p. 321 (1882: W. Khandeish); *Oates, Handb. B. Brit. Burm.* ii. p. 379 (1883); *Sclater, Ibis*, 1883, p. 31 (Caucasus); *B. O. U. List Brit. B.* p. 163 (1883); *Saunders, ed. Yarrell's Brit. B.* iii. p. 345 (1883); *Tristr. Faun. & Flor. Palest.* p. 131 (1884); *Sharpe, ed. Layard's B. S. Afr.* p. 675 (1884); *Salvad. Ann. Mus. Genov.* (2) i. p. 220 (1884: Lake Cinlalaka); *Whitehead, Ibis*, 1885, p. 42 (Corsica); *Swinh. & Barnes, t. c.* p. 134 (Mhow); *Reid, t. c.* p. 253 (Morocco); *Ayres, t. c.* p. 347 (Transvaal); *Gigl. Avif. Ital.* p. 380 (1886); *Salvad. Elenco Uce. Ital.* p. 215 (1886); *Scully, J. A. S. Beng.* lvi. p. 87 (1887); *Tait, Ibis*, 1887, p. 388 (Oporto); *Taylor, Str. F.* x. p. 406 (1887: Mysore); *Hume, Str. F.* xi. p. 326 (1888: Manipur); *Salvad. Ann. Mus. Genov.* (2) vi. p. 311 (1888); *Chapm. Ibis*, 1888, p. 488 (Spain); *Saunders, Man. Brit. B.* p. 547 (1889); *Reichen. Syst. Verz. Vog. Deutschl.* p. 50 (1889); *St. John, Ibis*, 1889, p. 177 (S. Afghanistan: Kelat); *Gigl. 1st Resc. Avif. Ital.* p. 582 (1889), *2nd Resc.* p. 653 (1890), *3rd Resc.* p. 512 (1891); *Oates, ed. Hume's Nests & Eggs Ind. B.* iii. p. 453 (1890); *Heine & Reichen. Nomencl. Mus. Hein.* p. 332 (1890); *Sharpe, Ibis*, 1892, p. 115 (Madagascar); *Barnes, t. c.* p. 196; *Rendall, t. c.* p. 229 (Gambia); *De La Touche, t. c.* p. 497 (Pechow; Swatow); *Meade-Waldo, Ibis*, 1893, p. 204 (Fuerteventura); *Shelley, Ibis*, 1894, p. 475 (Palombi R., Nyasaland); *Irby, Orn. Straits Gibr.* 2nd ed. p. 274 (1895).

Himantopus vulgaris, *Bechst. Orn. Taschenb.* pt. ii. p. 325, pl. 28 (1803), *Rupp. Syst. Uebers.* p. 126 (1845: Lower Egypt); *Heugl. Syst. Uebers.* p. 63 (1856: S. of Kordofan); *Pelz. Verh. z.-b. Ges. Wien*, xxxi. p. 606 (1881: Lado, Jan., Feb.); *Hartl. Abhandl. nat. Ver. Bremen*, viii. p. 231 (1883).

Cursorius himantopus, *Turton, Brit. Faun.* p. 62 (1807).

Himantopus rufipes, *Bechst. Naturg. Deutschl.* iii. p. 466 (1809); *Brehm, Vog. Deutschl.* p. 681 (1831); *Reichenb. Grall.* tab. xcvii. figs. 638–40 (1850); *Licht. Nomencl. Av. Mus. Berol.* p. 93 (1854);

Kjærb. Danm. Fugle, pl. xxxiii. B. fig. 1 (1851); *Müller, J. f. O.* 1879, p. 391 (Cyprus); *Blasius, J. f. O.* 1884, pp. 215–222 (Bankau Lake); *Matschie, J. f. O.* 1887, p. 138 (Boga-Katani, Feb.); *Koenig, J. f. O.* 1888, p. 282 (Tunis); *Reiser, Vogels. Landesm. Sarajevo*, p. 128 (1891).

Himantopus atropterus, *Meyer, Taschenb.* ii. p. 315, cum tab. (1810); *Webb & Berth. Orn. Canar.* p. 33 (1841: accidental).

Limosa himantopus, *Pall. Zoogr. Rosso-Asiat.* ii. p. 186 (1811: Caspian).

Himantopus melanopterus, *Meyer, Ann. Wetter. Gesellsch.* iii. p. 177 (1814); *Temm. Man. d'Orn.* ii. p. 528 (1820); *Werner, Atlas, Coureurs*, pl. 2 (1827); *Brehm, Vög. Deutschl.* p. 682 (1831); *Ménétr. Cat. Rais. Cauc.* p. 54 (1832: Salt Lakes near Baku); *Gould, B. Eur.* iv. pl. 289 (1837); *Bp. Comp. List B. Eur. & N. Amer.* p. 54 (1838); *Macg. Man. Brit. B.* ii. p. 87 (1840); *Cresp. Orn. Gard*, p. 354 (1840); *Selys-Longch. Faun. Belg.* p. 123 (1842); *Schl. Rev. Crit.* p. 96 (1844); *Hodgs. Icon. ined. in Brit. Mus., Grall.* pls. 91, 91 A. no. 556; *id. in Gray's Zool. Misc.* p. 86 (1844); *Hewits. Eggs Brit. B.* ii. p. 298, pl. lxxxii. fig. 2 (1846); *Thomps. B. Irel.* ii. p. 221 (1850); *Macg. Brit. B.* iv. p. 312 (1850); *Strickl. & Scl. Contr. Orn.* 1852, p. 159 (Damara-land); *Hartl. Orn. W.-Afr.* p. 236 (1857: Senegal; Casamance; Accra; Ashanti; Gaboon); *E. C. Taylor, Ibis*, 1859, p. 53 (Egypt); *Salvin, t. c.* p. 356 (E. Atlas), p. 360 (Zana); *A. E. Knox, t. c.* p. 395 (Sussex); *Tristr. Ibis*, 1860, p. 79 (N. Sahara); *Powys, t. c.* p. 344 (Corfu); *Hartl. J. f. O.* 1861, p. 271 (Bissao); *S. S. Allen, Ibis*, 1863, p. 157 (Egypt); *Leith Adams, Ibis*, 1864, p. 33 (Cairo); *Wright, t. c.* p. 149 (Malta); *Sperling, t. c.* p. 287 (Gulf of Arta); *Blyth, Ibis*, 1865, p. 35; *Sharpe, P. Z. S.* 1870, p. 147 (Angola); *Stevens. B. Norf.* ii. p. 240 (1870); *Saunders, Ibis*, 1871, p. 387 (Majorca); *R. Gray, B. West Scotl.* p. 303, cum tab. (1871); *Brooke, Ibis*, 1873, p. 338 (Sardinia); *Saxby, B. Shetl.* p. 197 (1874); *Fallon, Ois. Belg.* p. 149 (1875); *Tacz. Bull. Soc. Zool. France*, ii. p. 154 (1877: Poland); *Danf. Ibis*, 1880, p. 84 (Djend, Asia Minor); *Seebohm, Hist. Brit. B.* iii. p. 79, pl. 24 (1885); *id. Ibis*, 1886, p. 235; *Lilford, Ibis*, 1889, p. 339 (Cyprus); *Everett, J. Straits Branch As. Soc.* 1889, p. 206 (Bangkau Lake); *Lilford, Col. Fig. Brit. B.* pt. xiii. (1890); *Sharpe, Sci. Res. 2nd Yark. Miss., Aves*, p. 142 (1891); *Styan, Ibis*, 1891, p. 330 (Lower Yangtse), p. 504 (Shanghai); *Seebohm, Ibis*, 1892, p. 24 (Heligoland).

Himantopus albicollis, *Vieill. N. Dict. d'Hist. Nat.* x. p. 41 (1817).

Hypsibates himantopus, *Nitzsch in Ersch u. Grub. Encycl.* xvi. p. 150 (1827); *Naum. Vög. Deutschl.* viii. p. 191, Taf. 203 (1836); *Keys. & Blas. Wirb. Eur.* p. 209 (1840); *Nordm. in Démid. Voy. Russ. Mérid.* iii. p. 248 (1840: Black Sea, nesting); *Mühle, Beitr. Orn. Griechenl.* p. 99 (1844); *Linderm. Vög. Griechenl.* p. 137 (1860); *Borggr. Vogelf. Norddeutschl.* p. 112 (1869); *Severtz. Turkest. Jevotn.* p. 69 (1873: Turkestan, breeding); *Bogdanoff, B. Cauc.* p. 165 (1879); *id. Consp. Av. Imp. Ross.* p. 79 (1884); *Radde, Orn. Cauc.* pp. 44, 425 (1884); *Hartert, J. f. O.* 1886, p. 608 (Sandbanks of Benue), 1889, p. 436.

Himantopus plinii, *Fleming, Hist. Brit. Anim.* p. 112 (1828); *Dubois, Faun. Ill. Vertébrés Belg.* ii. p. 274, pl. 221 (1894).

Himantopus longipes, *Brehm, Vög. Deutschl.* p. 683 (1831).

Himantopus asiaticus, *Less. Rev. Zool.* 1839, p. 44 (Pondichery).

Black-winged Stilt, *Yarrell, Brit. B.* ii. p. 559 (1843).

Himantopus intermedius, *Blyth, Cat. B. Mus. As. Soc.* p. 265 (1849: Agra; Calcutta); *Bp. C. R.* xliii. p. 421 (1856); *Gray, Hand-l. B.* iii. p. 47, no. 10293 (1871); *Hume, Nests & Eggs Ind. B.* p. 589

(1873); *id. Str. F.* i. p. 248 (1873: Sind); *Adam, t. c.* p. 397 (Sambhur); *id. op. cit.* ii. p. 339 (1874: Sambhur, breeding); *Hume, Str. F.* iii. p. 183 (1875: Pegu); *Legge, t. c.* p. 373 (Ceylon, breeding); *Butler, Str. F.* iv. p. 18 (1876: Mount Aboo); *Scully, t. c.* p. 190 (Yarkand); *Butler, Str. F.* v. p. 233 (1877: Deesa); *Murray, Vertebr. Faun. Sind*, p. 258 (1884).

Himantopus melanocephalus, *Brehm, Vogelf.* p. 324 (1855).

Himantopus nigricollis (*nec* V.), *Brehm, t. c.* p. 324.

Himantopus leucocephalus (*nec Gould*), *Brehm, t. c.* p. 325.

Himantopus brevipes, *Brehm, t. c.* p. 325.

Himantopus minor, *Natterer, MSS.*; *Hartl. J. f. O.* 1860, p. 170 (Madagascar); *id. Faun. Madag.* p. 78 (1861); *Gray, Hand-l. B.* iii. p. 48, no. 10297 (1871).

Himantopus autumnalis, *Hasselq.*; *Finsch, Trans. Zool. Soc.* vii. p. 300 (1870: Senafé); *id. & Hartl. Vög. Ostafr.* p. 758 note (1870); *Gray, Hand-l. B.* iii. p. 47, no. 10292 (1871); *Gurney in Anders. B. Dam. Ld.* p. 315 (1872); *Holdsw. P. Z. S.* 1872, p. 475 (Ceylon); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1177 (1873); *Blyth & Wald. B. Burm.* p. 154 (1875: Arakan; Karen Hills); *Reichen. J. f. O.* 1877, p. 12 (Loango); *Finsch, Verhandl. z.-b. Ges. Wien*, xxix. p. 253 (1879: Sassyk-Ala-Kul); *Bocage, Orn. Angola*, p. 470 (1881); *Milne-Edwards & Grandidier, Hist. Nat. Madag., Ois.* p. 635 (1882); *Bohm, J. f. O.* 1885, p. 72; *Matschie, J. f. O.* 1887, p. 150; *Frivaldsky, Av. Hung.* p. 141 (1891); *Emin, J. f. O.* 1891, p. 345.

Himantopus europæus, *Sand. teste Gray, Hand-l. B.* iii. p. 47 (1871).

Hypsibates himantopus β. nigricollis, *Severtz. Turkest. Jevotn.* p. 60 (1873: Turkestan, breeding).

Himantopus himantopus, *Sharpe, Ibis*, 1891, p. 114 (Fao); *Reichen. J. f. O.* 1892, p. 8 (Mengo, Uganda, Dec.); *id. Vög. Deutsch-Ost-Afr.* p. 40 (1894: Wembaere Steppes; Massai Steppes; Tanganyika).

Adult male in breeding-plumage. General colour above black with a greenish gloss; entire back and rump pure white; upper tail-coverts pale ashy grey, the outer feathers with a certain amount of white on the inner web; wings entirely black, glossed with green; head and neck all round, upper mantle, and entire under surface of body pure white; under wing-coverts black; axillaries white: bill blackish; feet rose-pink; iris deep carmine. Total length 14 inches, culmen 2·5, wing 9·6, tail 3, tarsus 4·65.

The changes of plumage through which this species passes are extremely difficult to understand. *Young males and females* are at first alike, and have brown backs and inner secondaries, and may be distinguished by the white tips to the inner primaries and secondaries.

In the next plumage, when the black back is assumed, the hind-neck is ashy grey, and the crown of the head is dusky brown. It is possible that the white head and neck are only assumed in the third or fourth season; but there is another stage, which probably follows the ashy-necked one, when the forehead and lower hind-neck are white, but the crown is glossy black, this colour extending down the hind neck. This may be a stage of coloration worn for a very short period in the spring, as it appears to merge into the pure white of the head and neck. I strongly suspect that the species has a brown-backed winter plumage, but have been unable to prove it to my satisfaction.

Adult female in breeding-plumage. Similar to the male, but having the mantle, scapulars, and inner secondaries brown instead of black. Total length 13 inches, culmen 2·2, wing 9·1, tail 3, tarsus 4·7.

Nestling. Covered with down of an isabelline colour above, varied with rather broad lines of black, with a streak of black down the lower back and rump; the first feathers being sandy rufous, barred with black; entire under surface of body creamy white.

Young in first plumage. Similar to the adult female, and brown on the mantle, scapulars, and inner secondaries, which have sandy-buff margins to the feathers; the wings are black, but have sandy-buff margins; the quills brown on their inner webs towards the tips, which are broadly fringed or tipped with white; forehead and sides of face white; the crown of the head and nape brown; the hind-neck ashy grey; under surface of body pure white, with a shade of grey on the fore-neck.

Hab. Southern Europe, straggling occasionally to the Northern and Central portions of the continent. Throughout Africa in suitable localities; extending eastward to Central Asia, the Indian Peninsula and Ceylon, Cochin China and Western China.

a. ♂ ad. sk.	Sicily (*C. A. Wright*).	Seebohm Coll.
b. Ad.; *c*. Juv. sk.	Spain.	Seebohm Coll.
d. ♂ ad.; *e*, *f*. ♀ ad. sk.	Zana, Algeria, June (*O. S.*).	Salvin-Godman Coll.
g, *h*. ♂ ♀ ad. sk.	Tangier (*Favier*).	Gould Coll.
i. ♂ ad. sk.	Mogador.	Hume Coll.
k. Ad. sk.	Dobrudscha, June 10 (*H. S.*).	Seebohm Coll.
l. ♀ ad. sk.	Sarepta, Lower Volga.	Seebohm Coll.
m, *n*. ♂ ♀ ad. sk.	Famagasta Lake, Cyprus, May (*F. A. Guillemard*).	Lord Lilford [P.].
o. ♂ ad. sk.	Delta of the Nile (*G. E. Shelley*).	Seebohm Coll.
p. ♀ imm. sk.	Senafé, Abyssinia, April (*W. Jesse*).	Tweeddale Coll.
q. Ad. sk.	Central Soudan (*Baron J. W. von Müller*).	Seebohm Coll.
r. Ad. sk.	Angollàla, Shoa, Jan. (*Harris*).	India Museum.
s. ♀ ad. sk.	Accra, Gold Coast (*J. Smith*).	Seebohm Coll.
t, *u*. ♂ ♀ ad. sk.	Katumbella, Benguela, Nov. 5 (*G. Sala*).	Monteiro Coll.
v. ♀ juv. sk.	Benguela.	Monteiro Coll.
w. ♂ ad. sk.	Rio Coroca, Benguela, Jan. (*J. Anchieta*).	Seebohm Coll.
x. ♀ ad. sk.	Potchefstroom, Transvaal, July 27 (*T. Ayres*).	Gurney Coll.
y. Ad. sk.	Tete, Zambesi (*Sir J. Kirk*).	Livingstone Exped.
z, *a'*. ♂ ♀ ad.; *b'*. ♂ juv. sk.	Palombe River, Shirwa Plain, Oct. (*A. Whyte*).	H. H. Johnston, Esq., C.B. [P.].
c'. Ad. sk.	Madagascar.	G. F. Scott Elliot, Esq. [P.].
d'. Juv. sk.	Fao, Persian Gulf, July.	W. D. Cumming, Esq. [P.].
e', *f'*. ♂ ♀ ad. sk.	Persia.	K. Loftus, Esq. [P.].

g'. ♂ ad. sk.	Near Teheran, March (*Sir O. St. John*).	India Museum.
h', *i'*. ♂ ad. sk.	Mesopotamia (*Commr. Jones*).	India Museum.
k'. ♂ ad. sk.	Ala Kul, Turkestan, May 9 (*Dr. O. Finsch*).	Geogr Soc. Bremen.
l'. Ad. sk.	Yarkand.	Dr. R. B. Sharpe [P.].
m', *n'*. ♂ ad. sk.	Tarim River, May.	St. George Littledale, Esq. [P.].
o'. ♀ ad. sk.	Quetta (*Griffith*).	India Museum.
p'. ♂ ad. sk.	Kandahar, March, April.	Col. C. Swinhoe [P.].
q', *r'*. ♂ ad.; *s'*, *t'*. ♀ ad. sk.	Kandahar, April 9 (*Sir O. St. John*).	Hume Coll.
u'. ♀ ad. sk.	Gilgit, Aug. 10.	Col. Biddulph [C.].
v'. ♀ ad. sk.	Sind, Jan. (*Dr. H. Gould*).	India Museum.
w'. Ad. sk.	Cutch (*Stoliczka*).	Hume Coll.
x'. ♂ ad. sk.	Sirza District, Punjab.	Hume Coll.
y' a''. ♂ ad.; *b''*. ♀ ad. sk.	Sambhur, Jan. to March (*R. M. Adam*).	Hume Coll.
c'', *d''*. Pull. sk.	Sambhur, August (*R. M. A.*).	Hume Coll.
e', *f''*. ♂ ♀ ad. sk.	Jaipur, March 23 (*A. O. H.*).	Hume Coll.
g''. ♂ ad. sk.	Ajmere, Dec. 18 (*A. O. H.*).	Hume Coll.
h''–m''. Pull. sk.	Gurgaon District, May, July (*W. N. Chill*).	Hume Coll.
n''–q''. ♂ ad.; *r''*, *s''*. ♀ ad. sk.	Gurgaon District, Dec. to May (*W. N. Chill*).	Hume Coll.
t'–y'. ♂, *z'* *f²*. ♀ ad. et juv.; *g²*. Pull. sk.	Delhi, March to Oct. (*C. T. Bingham*).	Hume Coll.
h² *l²*. ♂ ad.; *m²*. ♀ ad. sk.	Etawah, Sept.–Nov. (*A. O. H.*).	Hume Coll.
n², *o²*. ♂ ♀ ad. sk.	Oudh, Dec., Feb.	Hume Coll.
p² *r²*. ♂ ad.; *s²*. ♀ ad. sk.	Oudh.	Pinwill Coll.
t² ♂ juv. sk.	Lucknow, May 20.	Col. Way [P.].
u². ♂ juv. sk.	Futtehgurh District, Feb. (*A. Anderson*).	Seebohm Coll.
v², *w²* ♂ ♀ ad.; *x²*. Juv. sk.	Nepal.	Hodgson Coll.
y². Ad. sk.	Nepal.	Seebohm Coll.
z² ♂ juv. sk.	Behar.	Hodgson Coll.
a³ ♂ ad. sk.	Darjiling.	Seebohm Coll.
b³ Juv. sk.	Darjiling.	India Museum [P.].
c³ ♂ juv. sk.	Calcutta, Dec. 16.	Hume Coll.
d³. ♂ imm. sk.	Mhow, Nov. 9.	Col. Swinhoe [P.].
e³. Juv. sk.	Hoshunghabad, C.P., Dec. (*J. A. Betham*).	Hume Coll.
f³, *g³* Juv. sk.	W. Khandeish, Dec., Jan. (*J. Davidson*).	Hume Coll.
h³ ♀ juv. sk.	Deccan (*Sykes*).	India Museum.
i³ ♀ ad. sk.	Deccan (*Burgess*).	Seebohm Coll.
k³ ♀ juv. sk.	Ahmednuggur District, Nov. 30 (*S. B. Fairbank*).	Tweeddale Coll.
l³ ♂ juv. sk.	Wadale, Oct. (*S. B. F.*).	Tweeddale Coll.
m³, *n³* ♂ ad. et juv. sk.	Coromandel Coast.	Gould Coll.
o³, *p³* ♂ ♀ ad. sk.	S.E. Ceylon, Nov., July (*W. V. Legge*).	Dr. R. B. Sharpe [P.].

q^4. ♀ ad. sk.	Batticaloa, Ceylon, Feb. 17 (*H. C. Buchanan*).	Seebohm Coll.
r^4. ♀ juv. sk.	Putlam, Ceylon, July 14 (*Hart*).	Hume Coll.
s^4. ♀ ad. sk.	Ceylon.	Tweeddale Coll.
t^4. Juv. sk.	Pegu (*R. G. W. R.*).	Tweeddale Coll.
u^4, v^4. ♂ ad.; w^4. ♂ imm. sk.	Lower Pegu, Oct. (*E. W. O.*).	Oates Coll.
x^4, y^4. ♀ ad. sk.	Karen-nee, Jan., March (*R. G. W. R.*).	Tweeddale Coll.
z^4, a^5. ♂ ad.; b^5. ♀ ad. sk.	Thatone, Tenasserim, Oct., Nov.	Hume Coll.
c^5. Ad. sk.	Cochin China.	M. E. Pierre [P.].
d^5. Ad. sk.	Pa-chow, Ichang, China.	A. Pratt, Esq. [C.].
e^5. ♀ ad. sk.	Sa-tschen, June (*Prejevalski*).	Seebohm Coll.
f^5. ♂ skeleton.	R. Volga.	Purchased.
g^5. Bones of trunk.	Nepal.	Hodgson Coll.
h^5. Sternum.	Algeria.	Purchased.

2. Himantopus melanurus.

Mbatuitui zancudo, *Azara, Apunt.* iii. p. 297 (1805).

Himantopus melanurus, *Vieill. N. Dict. d'Hist. Nat.* x. p. 42 (1817: Paraguay); *Gray, Gen. B.* iii. p. 577 (1847).

Himantopus mexicanus (*nec P. L. S. Müll.*), *Neuwied, Beitr. Naturg. Bras.* iv. p. 741 (1833); *Hartl. Ind. Azara*, p. 25 (1847); *Burm. Th. Bras.* iii. p. 367 (1856).

Himantopus nigricollis (*nec Vieill.*), *Gould, in Darwin's Voy. 'Beagle,' Birds*, p. 130 (1841: La Plata, swamps near Buenos Ayres); *Fraser, P. Z. S.* 1843, p. 117 (Chili); *Gay, Faun. Chili, Zool.* p. 424 (1847); *Burm. Reise La Plata-St.* ii. p. 502 (1861); *Scl. P. Z. S.* 1867, p. 339 (Chili); *id. & Salv. P. Z. S.* 1868, p. 144 (Buenos Ayres); *Pelz. Orn. Bras.* pp. 310, 457 (1871: Ypanema, June; Irisanga, Dec.; Caiçara, March); *Barrows, Auk*, i. p. 314 (1884: Azul, Jan.; Puan, March; Concepcion, March to Aug., not observed breeding); *Tacz. Orn. Pérou*, iii. p. 382 (1886: Tumbez).

Himantopus nigricollis (pt.), *Gray, List Grall. Brit. Mus.* p. 98 (1844); *Schl. Mus. Pays-Bas*, Scolopaces, p. 107 (1864: Brazil, Chili); *Gray, Hand-l. B.* iii. p. 48, no. 10294 (1871).

Himantopus mexicanus (pt.), *Bp. C. R.* xliii. p. 421 (1856).

Himantopus brasiliensis, *Brehm, Vög. Deutschl.* p. 684 (1831); *Scl. & Salv. P. Z. S.* 1873, p. 454 (Buenos Ayres); *iid. Nomencl. Av. Neotr.* p. 144 (1873); *Durnf. Ibis*, 1877, p. 198 (Baradero, Buenos Ayres), 1878, p. 67; *Gibson, Ibis*, 1880, p. 162 (Cape San Antonio); *Seebohm, Ibis*, 1886, p. 225; *id. Geogr. Distr. Charadr.* p. 281 (1888); *Scl. & Huds. Argent. Orn.* ii. p. 179 (1889); *Scl. Ibis*, 1890, p. 425 (Arg. Rep.); *Graham Kerr, Ibis*, 1892, p. 150 (Pilcomayo); *Holland, t. c.* p. 211 (Arg. Rep.); *Berkeley James, New List Chilian B.* p. 11 (1892); *Aplin, Ibis*, 1894, p. 207 (Uruguay).

Adult male. Similar to *H. mexicanus* (*infrà*, p. 320), but larger, always with a white collar on the upper mantle, and distinguished by the greater amount of white on the head, which occupies nearly the whole crown, almost as far as the occiput; a black streak on the ear-coverts joins the black on the hinder neck. Total length 14 inches, culmen 2·45, wing 9·5, tail 3·2, tarsus 4·5.

Adult female. Differs from the male in having a brown back. Total length 14 inches, culmen 2·4, wing 8·9, tail 3, tarsus 4·25.

Young. Similar to the adult female, and having a brown back, with ashy-whitish margins to the feathers of the back and whitish edges to the inner primaries, which are brown on the inner webs. The crown of the head is ashy grey, the forehead and sides of the face white, and the collar on the hind-neck is light ashy grey.

Hab. Brazil and Chili.

a, *b*. ♂ ad.; *c*, *d*. ♀ ad. sk.	Central Chili (*Landbeck*).	Berkeley James Coll.
e. Juv. sk.	Chili.	Salvin-Godman Coll.
f. ♂ ad. sk.	Chili (*E. C. Reed*).	Salvin-Godman Coll.
g. ♀ ad. sk.	Santiago, Chili (*Leybold*).	Salvin-Godman Coll.
h. Ad. sk.	Valparaiso.	Sir W. Burnett and Admiral Fitzroy [P.].
i. Ad. sk.	Maldonado.	Sir W. Burnett and Admiral Fitzroy [P.].
k ♂ ad. sk.	Buenos Ayres, May.	H. Durnford, Esq. [C.].
l ♂ ad. sk.	Buenos Ayres (*W. H. Hudson*).	Salvin-Godman Coll.
m. ♀ imm. sk.	Caiçara, Brazil (*Natterer*).	Salvin-Godman Coll.

3. Himantopus leucocephalus.

Himantopus leucocephalus, *Gould*, *P. Z. S.* 1837, p. 26; *S. Müll. Verh. Land- en Volkenk.* p. 153 (1839-44: New Guinea; Java; Sumatra); *Gould*, *B. Austr.* vi. pl. 24 (1841); *Gray*, *List Grall. Brit. Mus.* p. 98 (1844); *id. Gen. B.* iii. p. 577 (1847); *Reichenb. Grall.* tab. xcvii. figs. 642-43 (1848); *Sturt*, *Exp. Centr. Austr.* ii. App. p. 49 (1849); *Licht. Nomencl. Av. Mus. Berol.* p. 93 (1854: Australia); *Bp. C. R.* xliii. p. 421 (1856); *Sel. Journ. Linn. Soc.* ii. p. 169 (1858); *Gray*, *P. Z. S.* 1858, p. 197; *id. Cat. Mamm. & B. New Guin.* pp. 52, 62 (1859); *Wallace*, *Ibis*, 1861, p. 350 (Timor); *Gray*, *P. Z. S.* 1861, p. 438 (Mysol); *Wallace*, *P. Z. S.* 1863, p. 487 (Timor); *Rosenb. Nat. Tijdschr. Nederl. Ind.* xxv. p. 255 (1863); *id. J. f. O.* 1864, p. 137; *Schl. Mus. Pays-Bas*, Scolopaces, p. 103 (1864); *Gould*, *Handb. B. Austr.* ii. p. 246 (1865); *Blyth*, *Ibis*, 1865, p. 35; *Finsch*, *Neu-Guinea*, p. 181 (1865); *Ramsay*, *Ibis*, 1866, p. 334 (Port Denison); *id. P. Z. S.* 1867, p. 900 (Grafton, Clarence R., breeding); *Gray*, *Hand-l. B.* iii. p. 48, no. 10235 (1871); *Wald. Trans. Zool. Soc.* viii. p. 91 (1872: Celebes); *Ramsay*, *Ibis*, 1874, p. 259 (Perth; Rottnest Isl.); *Harting*, *P. Z. S.* 1874, p. 450; *Salvad. Uc. Born.* p. 321 (1874); *Wald. Trans. Zool. Soc.* ix. pp. 228, 251 (1875: Philippines); *Rosenb. Reistocht. Geelvinkb.* p. 9 (1875); *Cab. & Reichen. J. f. O.* 1876, p. 327 (Amboina); *Ramsay*, *P. Z. S.* 1877, p. 337 (egre); *id. Proc. Linn. Soc. N. S. W.* i. p. 384 (1877: Norman R., Gulf of Carpentaria), ii. p. 108 (1878), iii. p. 115 (1879: Hall Sound, New Guinea); *Meyer*, *Ibis*, 1879, p. 141 (Tondano; Limbotto); *Rosenb. Malay. Archip.* p. 278 (1878-79: Celebes), p. 324 (Ceram), p. 407 (Ternate), p. 583 (New Guinea); *Salvad. Ann.*

Mus. Gen. xviii. p. 326 (1882); *id. Orn. Papuasia etc.* iii. p. 309 (1882); *Seebohm, Ibis*, 1886, pp. 225–234; *Ramsay, Proc. Linn. Soc. N. S. W.* (2) i. p. 1099 (1887), ii. p. 172 (1888: Derby, N.W. Australia); *id. Tab. List Austr. B.* p. 20 (1888: Australia generally, except Cape York); *Seebohm, Geogr. Distr. Charadr.* p. 283 (1888); *Tristr. Ibis*, 1889, p. 558 (Ferguson Isl.); *North, Nests & Eggs Austr. B.* p. 310 (1889); *Salvad. Agg. Orn. Papuasia etc.* iii. p. 201 (1891); *Legge, Proc. Austr. Assoc.* 1892, p. 29.

Himantopus melanopterus (*nec Temm.*), *S. Müll. Verh. Land- en Volkenk.* p. 22 (1839–44: New Guinea); *Rosenb. Nat. Tijdschr. Nederl. Ind.* xxv. p. 255 (1863); *id. J. f. O.* 1864, p. 137.

Himantopus novæ hollandiæ, *Bp. C. R.* xliii. p. 421 (1856).

Himantopus rufipes (*nec Bechst.*), *Martens, J. f. O.* 1866, p. 28 (Luzon).

Himantopus autumnalis (*nec Hasselq.*), *Wald. Trans. Zool. Soc.* ix. p. 228 (1875: Philippines).

Adult. General colour above glossy black, including the wings; lower back, rump, and upper tail-coverts white; tail white, washed with smoky brown on the centre feathers and on the outer webs of the outer ones; head all round pure white, as also a very broad collar extending round the hind-neck above the mantle; hind-neck, from the nape down to this white collar, black; entire under surface of body white; under wing-coverts black; axillaries white: "bill black; legs and feet deep pink flesh-colour, becoming red after death; iris pink, margined externally with a deep red ring" (*J. Gould*). Total length 14·5 inches, culmen 2·5, wing 9·4, tail 2·3, tarsus 4·5.

Adult female. Similar to the male and almost as black on the back. Total length 14 inches, culmen 2·4, wing 8·4, tail 2·4, tarsus 4·15.

Young. Brown on the upper back and inner secondaries; the hind-neck, from the nape to the mantle, ashy grey, mottled with dusky sub-terminal bars to the feathers; crown of head dull ashy grey; lores and fore part of face white like the under surface of the body.

Hab. Australia, extending to New Guinea and the Moluccas.

a, *b*. Ad. et imm. sk.	Australia.	Seebohm Coll.
c. Ad. sk.	Lachlan River, N.S.W.	Lord Leigh [P.].
d, *e*. Ad. et juv. sk.	South Australia.	Capt. Sturt [P.].
f. ♂ ad. sk.	South Australia (*J. Gould*).	Sir G. Grey [P.].
g. Ad. sk.	South Australia.	Sir D. Cooper.
h. Ad. sk.	Queensland.	Seebohm Coll.
i, *k*. Ad. sk.	Brisbane (*J. T. Cockerell*).	Salvin-Godman Coll.
l. Ad. sk.	Cape York.	Gould Coll.
m. Ad. sk.	Cape York.	Seebohm Coll.
n. ♂ ad. sk.	Port Essington.	J. B. Jukes, Esq. [C.].
o, *p*, *q*. ♂ ♀ ad. et imm. sk.	N.W. Australia (*W. H. Bowyer Bowyer*).	Capt. Bowyer Bower [P.].
r. Ad. sk.	Saibai, S.E. New Guinea.	Rev. G. McFarlane [C.].

s, *t*. ♂ ad.; *u*, *v*. ♀ ad. sk.	E. Timor.	Wallace Coll.
w, *x*. ♂ ♀ ad. sk.	E. Timor (*A. R. Wallace*).	Seebohm & Tweeddale Colls.
y, *z*. Ad. sk.	Celebes.	Tweeddale Coll.
a'. ♂ ad. sk.	N. Celebes (*Dr. Meyer*).	Seebohm Coll.
b'. ♂ ad. sk.	Ayer Pannas, Celebes (*Rosenberg*).	Salvin-Godman Coll.
c', *d'*. ♂ ♀ ad. sk.	Mindanao.	Hugh Cuming, Esq. [C.].
e'. ♀ ad. sk.	Laguna de Bai, Mindanao, Nov. 12 (*A. H. Everett*).	Tweeddale Coll.
f'. Ad. sk.	Java.	Gould Coll.
g'. Ad. sk.	Java (*Horsfield*).	India Museum.
h'. Sternum.	S. Australia.	Sir G. Grey [P.].

Subsp. *a*. **Himantopus picatus.**

Himantopus picatus, *Ellman*, *Zool.* 1861, p. 7470.
Himantopus albus, *Ellman*, *Zool.* 1861, p. 7470.
Himantopus novæ zealandiæ (*nec Gould*), *Reichenb. Grall.* tab. cxvii. fig. 1045 (1850); *Potts*, *Trans. New Zeal. Inst.* ii. p. 70 (1870).
Himantopus spicatus, *Potts*, *Trans. New Zeal. Inst.* v. p. 198 (1872).
Himantopus leucocephalus (*nec Gould*), *Buller*, *B. New Zeal.* p. 203 (1873); *Sharpe*, *Voy. Ereb. & Terr.*, *Birds*, p. 30 (1875); *Finsch*, *Ibis*, 1882, pp. 392, 390 (N. Z.); *Buller*, *B. New Zeal.* 2nd ed. ii. p. 21, pl. xxvii. fig. 2 (1888); *M'Lean*, *Ibis*, 1892, p. 252 (N. Z.).
Himantopus albicollis, *Buller*, *Tr. N. Z. Inst.* vii. p. 224 (1874); *id. B. New Zeal.* 2nd ed. iii. p. 27 (1888).
Himantopus leucocephalus picatus, *Seebohm*, *Geogr. Distr. Charadr.* p. 284 (1888).

Adult male. Similar to *H. leucocephalus*, but distinguished by the admixture of black markings on the crown and on the hind-neck, the tail-feathers being also edged more or less broadly with black near the tips: "bill black, sometimes horn-coloured at the tip; legs and feet deep pink flesh-colour, and sometimes beautiful pale lake-red; claws black; iris and eyelid brick-red" (*W. L. Buller*). Total length 14·5 inches, culmen 2·6, wing 9·5, tail 3·1, tarsus 4.

Of all the specimens examined by me from New Zealand, not one is true *H. leucocephalus*. All of them seem to me to have a taint of *H. melas* in their plumage, and the young birds have every appearance of being hybrids between the two forms.

Hab. New Zealand.

a. Ad. sk.	New Zealand.	Percy Earl, Esq. [C.].
b. Ad. sk.	New Zealand.	Sir Samuel Scott [P.].
c. ♂ ad. sk.	New Zealand.	Seebohm Coll.
d. Juv. sk.	Selwyn, N. Z., March.	Seebohm Coll.
e, *g*. ad. sk.	Rakaia, N. Z., Nov.	Seebohm Coll.
f, *h*. ♂ ♀ ad. et imm. sk.	Otago, N. Z., Nov., Dec., July.	Hume Coll.

4. Himantopus mexicanus.

L'Échasse du Mexique, *Briss. Orn.* v. p. 36 (1760: Mexico, winter).
Charadrius mexicanus, *P. L. S. Müll. Syst. Nat., Anhang*, p. 117 (1776); *Ord, ed. Wilson's Amer. Orn.* vii. p. 52 (1824); *Cass. Proc. Acad. Nat. Sci. Philad.* 1864, p. 246.
Charadrius himantopus (pt.), *Gm. Syst. Nat.* i. p. 690 (1788).
Himantopus mexicanus, *Lath. Ind. Orn.* ii. p. 741 (1790: *ex Briss.*); *Bp. Comp. List B. Eur. & N. Amer.* p. 54 (1838); *Gray, Gen. B.* iii. p. 577 (1847); *Bp. C. R.* xliii. p. 421 (1856); *Sallé, P. Z. S.* 1857, p. 237 (S. Domingo); *Bryant, Proc. Bost Soc. N. H.* xi. p. 97 (1867: S. Domingo); *Ridgw. Rep. 40th Parallel*, p. 606 (1877: Carson, Nevada; Salt Lake); *id. Proc. U. S. Nat. Mus.* iii. pp. 10, 201 (1880); *Coues, Check-l. N. Amer. B.* p. 99 (1882); *Belding, Proc. U.S. Nat. Mus.* v. p. 534 (1882: Lower California), vi. p. 352 (1883); *Coues, Key N. Amer. B.* 2nd ed. p. 611 (1884); *Baird, Brewer, & Ridgw. Water-B. N. Amer.* i. p. 345 (1884); *Cory, B. S. Domingo*, p. 146 (1885); *Zeledon, Proc. U.S. Nat. Mus.* viii. p. 113 (1885: Costa Rica); *Drew, Auk*, ii. p. 18 (1885: Colorado); *A. O. U. Check-l. N. Amer. B.* p. 146 (1886); *Ferrari-Perez, Proc. U.S. Nat. Mus.* ix. p. 178 (1886: Puebla); *Goss, Auk*, iii. p. 114 (1886: S.W. Kansas); *Cooper, Auk*, iv. p. 87 (1887: Ventura Co., Cal.); *Towns. Proc. U.S. Nat. Mus.* x. pp. 163, 198, 235 (1887: N. Calif.); *Beckh. t. c.* p. 637 (Bexar Co., S.W. Texas), p. 651 (San Antonio); *Ridgw. Man. N. Amer. B.* p. 47 (1887); *Seebohm, Geogr. Distr. Charadr.* p. 279 (1888); *Scott, Auk*, vi. p. 156 (1889: Sanibel Isl., Gulf Coast of Florida); *Ridgw. Proc. U.S. Nat. Mus.* xii. pp. 116, 120, 123, 128 (1889: James Isl.); *Cory, B. West Ind.* p. 231 (1889); *Mortimer, Auk*, vii. p. 338 (1890: St. John's River, Florida); *Towns. Proc. U.S. Nat. Mus.* xiii. p. 134 (1890: Clarion Isl.); *Cory, Auk*, viii. p. 46 (1891: Anguilla Isl.); *Northrop, t. c.* p. 78 (Andros Isl.); *Riker & Chapman, t. c.* p. 163 (Santarem); *Cory, t. c.* p. 351 (Inagua); *id. Cat. B. West Ind.* p. 92 (1892: Bahamas; Greater and Lesser Antilles); *Merriam, N. Amer. Fauna*, no. 5, p. 91 (1891: Idaho); *Scott, Auk*, ix. p. 12 (1892: Jamaica); *Cory, t. c.* p. 48 (Maraguana Isl.); *Scott, t. c.* pp. 212, 215 (Caloosahatchie Region, Florida); *Dutcher, Auk*, x. p. 272 (1893: Long Isl.); *Richm. Proc. U.S. Nat. Mus.* xvi. p. 526 (1893: Rio Frio, Costa Rica); *Jouy, t. c.* p. 791 (Lake Patzcuaro, C. Mexico); *Fisher, N. Amer. Faun.* no. 7, p. 22 (1893).
Recurvirostra himantopus (*nec Linn.*), *Wilson, Amer. Orn.* vii. p. 48, pl. 58. fig. 2 (1813).
Himantopus nigricollis, *Vieill. N. Dict. d'Hist. Nat.* x. p. 42 (1817: N. America); *Audub. B. Amer.* pl. cccxxviii. (c. 1826); *Vieill. Gal. Ois.* ii. p. 85, pl. 229 (1834); *Audub. Orn. Biogr.* iv. p. 247 (1838); *Bp. Comp. List B. Eur. & N. Amer.* p. 54 (1838); *Audub. B. Amer.* 8vo, vi. p. 31, pl. 354 (1843); *Gray, List Grall. Brit. Mus.* p. 98 (1844: pt.); *Gosse, B. Jamaica*, p. 386 (1847); *Lembeye, Av. Cuba*, p. 102 (1850); *Reichenb. Grall.* tab. xcvii. fig. 641 (1851); *Scl. P. Z. S.* 1857, p. 206 (Jalapa); *Baird, B. N. Amer.* p. 704 (1858); *Henry, Proc. Acad. Nat. Sci. Philad.* 1859, p. 108 (New Mexico); *A. & E. Newton, Ibis*, 1859, p. 258 (St. Croix); *Scl. & Salv. t. c.* p. 228 (La Antigua); *Bryant, Proc. Bost. Soc. N. H.* vii. p. 121 (1859: Bahamas); *Brewer, t. c.* p. 308 (1860: Cuba); *Taylor, Ibis*, 1862, p. 129 (Florida); *March, Proc. Acad. Nat. Sci. Philad.* 1864, p. 67 (Jamaica); *Scl. P. Z. S.*

1864, p. 178 (near the City of Mexico); *Schl. Mus. Pays-Bas*, Scolopaces, p. 107 (1864: pt.); *Coues, Ibis*, 1865, p. 159 (Arizona); *Salvin, t. c.* p. 192 (Guatemala); *Dresser, t. c.* p. 319; *id. Ibis*, 1866, p. 35 (S. Texas); *Coues, t. c.* p. 363; *Léot. Ois. Trinid.* p. 404 (1866); *Lawr. Ann. Lyc. N. Y.* viii. p. 12 (1866; Panama), p. 285 (New York); *Scl. & Salv. P. Z. S.* 1867, p. 591 (Mexiana); *Sundev. Öfv. K. Vet.-Akad. Förh.* 1869, p. 602 (Porto Rico); *Scl. & Salv. P. Z. S.* 1870, p. 323 (Indefatigable Isl.); *Allen, Bull. Mus. C. Z.* ii. p. 356 (1871); *Gray, Hand-l. B.* iii. p. 48, no. 10294 (1871); *Wyatt, Ibis*, 1871, p. 383 (Cienaga); *Allen, Bull. Mus. C. Z.* iii. p. 171 (1872: Great Salt Lake); *Coues, Key N. Amer. B.* p. 247 (1872); *Scl. & Salv. P. Z. S.* 1873, p. 453; *iid. Nomencl. Av. Neotr.* p. 144 (1873); *Harting, Ibis*, 1874, p. 254; *Coues, B. N.-West*, p. 462 (1874); *Lawr. Mem. Bost. Soc. N. H.* ii. p. 308 (1874: Rio de Coahuana, Mazatlan); *Hensh. Rep. Zool. 100th Merid.* p. 450 (1875: Colorado; Utah); *Coues, Ibis*, 1875, p. 498; *Salvin, Trans. Zool. Soc.* ix. p. 502 (1875: Indefatigable Isl.); *Lawr. Bull. U.S. Nat. Mus.* iv. p. 40 (1876: Tehuantepec, Aug.); *Reid, Zool.* 1877, p. 475 (Bermudas); *Sennett, Bull. U.S. Geol. Surv.* iv. p. 54 (1878: Brownsville, breeding); *Lawr. Proc. U.S. Nat. Mus.* i. p. 197 (1878; St. Vincent), p. 238 (Antigua), p. 242 (Barbuda); *Maynard, B. East. N. Amer.* p. 308 (1879); *Cory, B. Bahamas*, p. 153 (1880); *A. & E. Newton, Handb. Jamaica*, p. 115 (1881); *Boucard, P. Z. S.* 1883, p. 462 (Yucatan); *Salvin, Ibis*, 1885, p. 178 (British Guiana); *Cory, Auk*, iv. p. 231 (1887); *Salvin, Ibis*, 1889, p. 379 (Cozumel); *Feilden, t. c.* p. 492 (Barbados); *Cory, B. Bahamas*, 2nd ed. p. 153 (1890).

Himantopus leucurus, *Vieill. N. Dict. d'Hist. Nat.* x. p. 42 (1817: Mexico).

Black-necked Stilt, *Nutt. Man. Orn.* ii. p. 8 (1834).

Hypsibates nigricollis, *Cab. in Schomb. Reis. Guian.* iii. p. 758 (1848).

Macrotarsus nigricollis, *Gundl. J. f. O.* 1856, p. 422 (Cuba), 1874, p. 313 (Porto Rico), 1875, p. 329 (Cuba); *id. Orn. Cub.* p. 177 (1876); *id. Anal. Soc. Esp. Hist. Nat.* vii. p. 377 (1878: Porto Rico).

Adult male in breeding-plumage. General colour above glossy black with a slight oily-green tinge; wings entirely black slightly glossed with green; entire back, excepting the mantle, pure white, including also the rump and upper tail-coverts; tail-feathers pale smoky-grey, with white shafts and a great deal of white on the inner webs, increasing in extent towards the outermost, which is almost entirely white, with a little smoky grey on the outer web; forehead white, extending over the fore part of the crown, as far as in a line with the eyes; lores, cheeks, and under surface of body pure white, the latter with a slight pinkish tinge; ear-coverts black, extending in a line underneath the eye; below the latter and behind the hinder part of the eye a white spot; under wing-coverts black; axillaries white; "bill deep black; legs and feet fine rose-pink or delicate pale lake-red (in life); iris rosy carmine" (*Baird, Brewer, & Ridgway*). Total length 14·5 inches, culmen 2·45, wing 8·3, tail 2·65, tarsus 4.

Adult female. Similar to the male, but with the back, scapulars, and inner secondaries browner. Total length 12·5 inches, culmen 2·5, wing 8·4, tail 2·65, tarsus 4·2.

Young birds have brown backs like the old females, but have

narrow whitish fringes to the feathers of the back, and the inner primaries are browner at the end of the inner web, which is fringed with white. The back of the neck is also greyish brown, and the eye-spots and forehead are tinged with ashy. The first winter plumage of the young birds is like that of the old female, and the birds moult into the full black plumage in the following spring. In young birds there is a tendency to a broad grey collar round the hind-neck, and some old birds in black plumage have more or less of an indication of a white collar round the neck. So rarely does this plumage occur in collections that I believe it to be peculiar to young birds that have donned their nuptial dress for the first time.

Hab. Temperate North America; Central America and South America to Peru, Guiana, and Amazonia. Galapagos, West India Islands.

a. ♀ ad. sk.	San Bernardino, California (*F. Stephens*).	Salvin-Godman Coll.
b. ♀ ad. sk.	St. Lewis Lakes, California, June (*H. W. H.*).	Salvin-Godman Coll.
c. ♀ ad. sk.	Salt Lake, Utah, June 19 (*J. W. Jacox*).	Salvin-Godman Coll.
d, *e*, *f*. ♂ ad. sk.	Aransas Bay, Texas, June (*F. B. Armstrong*).	Salvin-Godman Coll.
g, *h*, *i*. ♂ ad. sk.	Corpus Christi, Texas, May (*F. B. Armstrong*).	Salvin-Godman Coll.
k, *l*. ♂ ad.; *m*, *n*, *o*. ♀ ad. sk.	Brownsville, May (*F. B. A.*).	Salvin-Godman Coll.
p, *q*. ♂ ad.; *r*, *s*. ♀ ad. sk.	Texas (*F. B. A.*).	Salvin-Godman Coll.
t. ♀ juv. sk.	Presidio, Mexico, Dec. 20 (*A. Forrer*).	Salvin-Godman Coll.
u, *v*. ♂ ♀ ad. sk.	Tres Marias Is., Feb. 20 (*A. Forrer*).	Salvin-Godman Coll.
w. ♂ ad. sk.	Zapotlan, Jalisco (*W. B. Richardson*).	Salvin-Godman Coll.
x. ♂ juv. sk.	Tamesi, Tampico, March (*W. B. K.*).	Salvin-Godman Coll.
y. ♂ ad. sk.	Santana near Guadalajara, Jalisco, Dec. 3 (*W. Lloyd*).	Salvin-Godman Coll.
z. ♀ ad. sk.	Santa Ana, Jalapa, Oct. (*F. Perez*).	Salvin-Godman Coll.
a'. Ad. sk.	Progreso, N. Yucatan, (*E. C. G. Devis*).	Salvin-Godman Coll.
b'. ♂ ad. sk.	Progreso, Oct. (*G. F. Gaumer*).	Salvin-Godman Coll.
c', *d'*. Ad. sk.	Cozumel Isl., June (*G. F. Gaumer*).	Salvin-Godman Coll.
e'. Ad. sk.	Ruatan Isl. (*G. F. G.*).	Salvin-Godman Coll.
f', *g'*. Ad. sk.	Jolbox Isl., Dec. (*G. F. G.*).	Salvin-Godman Coll.
h'. Ad. sk.	Guatemala (*Constancia*).	Salvin-Godman Coll.
i'. Imm. sk.	San José, Jan., Guatemala (*O. S.*).	Salvin-Godman Coll.
k'. ♂ ad. sk.	Momotombo, Nicaragua, May 29 (*W. B. Richardson*).	Salvin-Godman Coll.

l. Ad. sk.	Jamaica.	Gosse Coll.
m. Ad. sk.	San Domingo.	M. Sallé [C.].
n'. ♀ ad. sk.	Anguilla, W. I., Apr. 6 (*C. S. Winch*): *Cory Coll.*	Salvin-Godman Coll.
o'. ♂ ad. sk.	Antigua, Feb. (*Col. Feilden*).	W. India Committee Royal Soc.
p'. ♀ ad. sk.	St. Vincent, May 9 (*Mrs. D. W. Smith*).	Salvin-Godman Coll.
q'. Ad. sk.	Magdalena Valley, Colombia (*C. W. Wyatt*).	Salvin-Godman Coll.
r', *s*'. Ad. sk.	British Guiana.	Sir R. Schomburgk.
t'. Ad. sk.	Isl. of Mexiana, Lower Amazons(*A. R. Wallace*).	Salvin-Godman Coll.
u', *v*'. Imm. sk.	Indefatigable Isl., Galapagos, Sept. (*Dr. A. Habel*).	Salvin-Godman Coll.
w'. Sternum.	Jamaica.	Gosse Coll.

5. Himantopus knudseni.

Himantopus nigricollis (*nec Vieill.*), *Pelz. Verhandl. z.-b. Ges. Wien*, xxiii. p. 159 (1873: Honolulu, Feb.).

Himantopus candidus (*nec Bonn.*), *Dole, Hawaiian Alm.* 1879, p. 52; *Finsch, Ibis*, 1880, p. 79 (Honolulu).

Himantopus knudseni, *Stejn. Proc. U.S. Nat. Mus.* x. p. 81, pl. vi. fig. 2 (1887: Kauai Isl.), xi. p. 96 (1888: Nühau), xii. p. 381 (1889); *Seebohm, Geogr. Distr. Charadr.* p. 280 (1888); *Scott Wilson & Evans, Aves Hawaiienses*, pt. iv. (1893).

Adult. Similar to *H. mexicanus*, but larger and with a longer bill. General colour above sooty black with a greenish gloss; the wings deeper black, glossed with green; entire back, rump, and upper tail-coverts white, the latter edged with black; tail-feathers ashy grey, with white shafts and a good deal of white on the inner webs; all the feathers tipped with black; head and neck black, including the feathers in front of the eye, sides of face, ear-coverts, and sides of neck; below the eye, and behind the upper part of the latter, a white spot; base of forehead, lores, cheeks, and under surface of body pure white; under wing-coverts black; axillaries white. Total length 14·5 inches, culmen 3·1, wing 9·3, tail 3, tarsus 4·7.

Hab. Sandwich Islands.

a. Ad. sk.	Hawaii.	Prof. Collett [P.].
b. ♀ ad. sk.	Molokai, May 16 (*R. C. L. Perkins*).	Joint Comm. Roy. Soc. & Brit. Assoc.

6. Himantopus melas.

Himantopus melas, *Hombr. & Jacq. Ann. Sci. Nat.* (2) xvi. p. 320 (1841: Otago); *Potts, Trans. New Zeal. Inst.* ii. p. 70 (1870: Hakaia river-bed, Oct. to Dec., breeding); *Seebohm, Geogr. Distr. Charadr.* p. 285 (1888).

Himantopus novæ-zealandiæ, *Gould, P. Z. S.* 1841, p. 8 (Port Nicholson), pt.; *id. B. Austr.* vi. pl. 25 (1841); *Gray, in Dieffenb. Trav. N. Zeal.* ii. App. p. 198 (1843: Port Nicholson); *id. Voy.*

Ereb. & Terr., Birds, p. 13 (1844); *id. List Grall. Brit. Mus.* p. 98 (1844); *id. Gen. B.* iii. p. 577 (1847); *Reichenb. Grall.* tab. xcvii. fig. 1046 (1850); *Bp. C. R.* xliii. p. 421 (1856); *Gray, Ibis*, 1862, p. 237; *Schl. Mus. Pays-Bas*, Scolopaces, p. 108 (1864); *Hutton, Ibis*, 1870, p. 394 (Auckland); *Gray, Hand-l. B.* iii. p. 48, no. 10296 (1871); *Buller, B. New Zeal.* p. 205 (1873); *Harvie-Brown, Ibis*, 1874, p. 96 (Otaio); *Harting, P. Z. S.* 1874, p. 459, pl. lx. fig. 10; *Sharpe, Voy. Ereb. & Terr., Birds*, p. 30 (1875); *Seebohm, Ibis*, 1866, p. 234; *Buller, B. New Zeal.* 2nd ed. ii. p. 24, pl. xxvii. fig. 1 (1888); *M'Lean, Ibis*, 1892, p. 252 (N.Z.); *Legge, Proc. Austr. Assoc.* 1892, p. 30.

Himantopus niger, *Ellman, Zool.* 1861, p. 7470.

Adult male. Entirely black above and below, the wings and tail glossed with green; the under surface of the body duller and more sooty black than the upper surface: "bill black; legs and feet pinky red, the claws black; iris and eyelids crimson" (*W. L. Buller*). Total length 12 inches, culmen 2·6, wing 9·8, tail 3·1, tarsus 3·55.

Young. Black, more or less blotched with white, with a good deal of white on the base of the tail, and the throat and breast white. I believe, however, that the back and rump always remain black in the young bird.

Hab. New Zealand.

a. Ad. st.	New Zealand.	Percy Earl, Esq. [C.].
b. Ad. st.	New Zealand.	Captain Stokes [P.].
c. Ad. sk.	New Zealand.	Captain Stokes [P.].
d, e. Ad. sk.	New Zealand.	Sir Samuel Scott [P.].
f. Imm. sk.	New Zealand.	Sir G. Grey [P.].
g. Imm. sk.	New Zealand.	New Zealand Co. [P.].
h. Ad. sk.	Port Nicholson, N. Z.	New Zealand Co. [P.].
i. Ad. sk.	Saltwater Creek, N. Z., May.	Seebohm Coll.
k. Ad. sk.	Selwyn, N. Z., Sept. (*Von Haast*).	Seebohm Coll.
l. Ad. sk.	Wellington, N. Z.	Seebohm Coll.
m, n. ♂ ad. et ♀ imm. sk.	Otago, N. Z., May, Sept.	Hume Coll.

38. CLADORHYNCHUS.

	Type.
Leptorhynchus, *Du Bus, Bull. R. Acad. Brux.* ii. p. 419 (1835)	C. leucocephalus.
Cladorhynchus, *Gray, List Gen. B.* 1840, p. 69	C. leucocephalus.
Xiphidiorhynchus, *Reichenb. Vög. Neuholl.* ii. Abth. i. p. 28 (1845)	C. leucocephalus.

Range. Confined to Australia.

1. Cladorhynchus leucocephalus.

Recurvirostra leucocephala, *Vieill. N. Dict. d'Hist. Nat.* iii. p. 103 (1816); *id. Gal. Ois.* ii. pl. cclxxi. (1834).

Recurvirostra orientalis, *Cuv. Règne An.* i. p. 496 (1817) *Temm.*

Man. d'Orn. ii. p. 593 (1820); *Gray, Gen. B.* iii. p. 550 (1847); *Reichenb. Grall.* tab. lxii. fig. 520 (1851).

Leptorhynchus pectoralis, *Du Bus, Bull. R. Acad. Belgique*, ii. p. 420, pl. vii. (1835); *id. Mag. de Zool.* 1835, pl. 45.

Himantopus palmatus, *Gould, Syn. B. Austr.* part ii. (1837).

Cladorhynchus pectoralis, *Gray, List Gen. B.* p. 69 (1840); *Gould, B. Austr.* vi. pl. 26 (1841); *Gray, List Grall. Brit. Mus.* p. 98 (1844: S. Australia); *id. Gen. B.* iii. p. 557 (1847); *Sturt. Exp. Centr. Austr.* ii. App. p. 49 (1849: Lepson's Lake; Strezlecki's Creek); *Gould, Handb. B. Austr.* ii. p. 248 (1865); *Gray, Hand-l. B.* iii. p. 47, no. 10291 (1871); *Ramsay, Proc. Linn. Soc. N. S. W.* i. pp. 188, 217 (1877), ii. p. 198 (1878), vii. p. 57 (1883: eggs); *North, op. cit.* (2) i. p. 1165 (1887: eggs); *Ramsay, Tab. List Austr. B.* p. 20 (1888: N. S. W.; Victoria and S. Australia; W. and S.W. Australia); *North, Nests & Eggs Austr. B.* p. 311 (1889).

Xiphidiorhynchus pectoralis, *Reichenb. Voy. Neuholl.* p. 28 (1848); *id. Grall.* tab. xcvii. fig. 1047 (1851).

Cladorhynchus orientalis, *Selys-Longch. Bull. Acad. R. Belgique*, xviii. pt. 1, p. 9 (1851); *Bp. C. R.* xliii. p. 421 (1856).

Himantopus pectoralis, *Schl. Mus. Pays-Bas*, Scolopaces, p. 108 (1864); *Seebohm, Geogr. Dist. Charadr.* p. 288, pl. 14 (1888).

Cladorhynchus leucocephalus, *Salvin, Ibis*, 1874, p. 252 note; *id. Cat. Strickl. Coll.* p. 404 (1882).

Adult. General colour above white, including the scapulars; parapteral plumes and wing-coverts black; primaries black, browner on the inner web, the inner ones more or less white on the inner webs; the secondaries entirely white, except the innermost, which are black; tail white, shaded with ashy grey, principally on the outer webs; head and neck all round pure white as far as the fore-neck, which is separated by a line of black from the chest, which, with the breast, is dark chestnut, coming to a point on the centre of the latter and joining a broad black band down the centre of the abdomen; sides of body, under tail-coverts, and axillaries pure white; under wing-coverts blackish, those near the edge of the wing and the lower primary-coverts with white spots: "bill black; feet yellow" (*J. Gould*). Total length 13·5 inches, culmen 2·8, wing 7·7, tail 3·1, tarsus 3·05.

Mr. Gould imagined that the chestnut breast-band disappeared during the winter and was a mark of breeding-plumage. This seems very possible, judging by the specimens in the Museum, which are changing from white to chestnut. As they appear to be perfectly old individuals, the acquisition of the chestnut breast cannot be a sign of passing from youth to age.

Young birds differ from the adults in being entirely white below, and in some specimens the wings are ashy brown instead of black.

Hab. Australia.

a	Imm. ♂.	Australia.	Sir D. Cooper, P.
b	Ad. ♀.	Australia.	Sir D. Cooper, P.
c	Imm. ♀.	Australia.	Salvin-Godman Coll.
d, e, f	Ad. ♀.	South Australia.	Sir G. Grey, P.
g	Juv. ♀.	South Australia.	Seebohm Coll.

h, *i*. Ad. sk.	Victoria, S. and W. Coast (*J. T. Cockerell*).	Salvin-Godman Coll.
k. Ad. st.	New South Wales.	Australian Museum [P.].
l. Juv. sk.	West Australia.	Purchased.

39. RECURVIROSTRA.

	Type.
Recurvirostra, *Linn. Syst. Nat.* i. p. 256 (1766)	R. avocetta.
Avocetta, *Brisson, Orn.* vi. p. 538 (1760)	R. avocetta.

Range. Nearly cosmopolitan.

Key to the Species.

a. Greater wing-coverts and secondaries white; back white, with a broad line of black down the scapulars.
  a'. Crown black or blackish brown; sides of face and throat white ..... *avocetta*, p. 326.
  b'. Crown cinnamon like the hind-neck, sides of face, and throat (ad. æstiv.); crown pearly grey like the hind-neck (juv. et ptil. hiem.)..... *americana*, p. 330.
  c'. Crown chestnut like the hind-neck, sides of face, and throat..... *novæ hollandiæ*, p. 333.
b. Greater wing-coverts and secondaries blackish brown like the mantle, wings, and tail; head white ..... *andina*, p. 334.

1. Recurvirostra avocetta.

The Avocet.

The Avosetta of the Italians, *Albin, Nat. Hist. B.* i. p. 96, pl. 101 (1738).

L'Avocette, *Briss. Orn.* vi. p. 538, pl. xlvii. fig. 2 (1760); *D'Aubent. Pl. Enl.* ix. pl. 353; *Buff. Hist. Nat. Ois.* viii. p. 466 (1781).

Recurvirostra avocetta, *Linn. Syst. Nat.* i. p. 256 (1766); *Gm. Syst. Nat.* i. p. 693 (1788); *Bechst. Orn. Taschenb.* pt. 2, p. 329, pl. 29 (1803); *Pallas, Zoogr. Rosso-Asiat.* ii. p. 160 (1811: S. Dauria); *Temm. Man. d'Orn.* p. 380 (1815); *Vieill. N. Dict. d'Hist. Nat.* iii. p. 102 (1816); *Temm. Man. d'Orn.* 2nd ed. ii. p. 590 (1820); *Roux, Orn. Prov.* pl. 338 (1825); *Werner, Atlas, Gralles*, pl. 3 (1827); *Brehm, Vög. Deutschl.* p. 685 (1831); *Less. Traité d'Orn.* p. 591 (1831); *Naum. Vög. Deutschl.* viii. p. 213, Taf. 204 (1836); *Strickl. P. Z. S.* 1836, p. 101 (Smyrna); *Gould, B. Eur.* iv. pl. 308 (1837); *Bp. Comp. List B. Eur. & N. Amer.* p. 54 (1838); *Macgill. Man. Brit. B.* ii. p. 87 (1840); *Crespon, Orn. Gard*, p. 398 (1840); *Keys. & Blas. Wirb. Eur.* p. 209 (1840); *Nordm. in Démid. Voy. Russ. Mérid.* iii. p. 248 (1840); *Selys-Longch. Faun. Belg.* p. 123 (1842); *Schl. Rev. Crit.* p. xcvi (1844); *Gray, List Grall. Brit. Mus.* p. 97 (1844); *Mühle, Beitr. Orn. Griechenl.* p. 98 (1844); *Hodgs. Icon. ined. in Brit. Mus., Grall.* pls. 90, 100, no. 573; *id. in Gray's Zool. Misc.* p. 86 (1844); *Rüpp. Syst. Uebers.* p. 126 (1845: Lower Egypt in winter); *Gray, Cat. Mamm. &c. Nepal*

pres. Hodgs. p. 138 (1846); *Hewits. Eggs Brit. B.* ii. p. 227, pl. lxxxii. fig. 1 (1846); *Gray, Gen. B.* iii. p. 576 (1847); *Blyth, Cat. B. Mus. As. Soc.* p. 265 (1849: Calcutta); *Thomps. B. Irel.* ii. p. 220 (1849); *Macgill. Brit. B.* iv. p. 306 (1850); *Reichenb. Grall.* tab. lxvi. figs. 985 987 (1851); *Kjærb. Danm. Fugle*, pl. 33 *b.* fig. 2 (1852); *Schl. Vog. Nederl.* pl. 250 (1854); *Licht. Nomencl. Av. Mus. Beral.* p. 93 (1854); *Heugl. Syst. Uebers.* p. 63 (1856: Kordofan and Red Sea); *Bp. C. R.* xliii. p. 421 (1856); *Hartl. Orn. W.-Afr.* p. 235 (1857: Congo); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 484 (1850); *Tristr. Ibis*, 1859, p. 79 (Tuggurt); *Salvin, t. c.* p. 357 (E. Atlas), p. 359 (Djendeli); *Pourg. Ibis*, 1860, p. 345 (Butrinto); *Linderm. Vög. Griechenl.* p. 136 (1860); *Swinh. Ibis*, 1860, p. 66 (Amoy), 1861, p. 343 (Peiho River); *Schl. Dier. Nederl. Vogels*, pl. 25. figs. 10, 10 *a* (1861); *Hartl. J. f. O.* 1861, p. 271; *Swinh. Ibis*, 1863, p. 406 (Ape's Hill Creek, Formosa); *Radde, Reis. Sibir., Vögels*, p. 326 (1863: Tarei-nor, April); *Gray, List Brit. B.* p. 162 (1863); *Wright, Ibis*, 1864, p. 149 (Malta); *Stafford Allen, t. c.* p. 241 (Egypt); *Kirk, t. c.* p. 332 (Zambesi); *Gould, B. Gt. Brit.* iv. pl. 52 (1864); *Collett, Overs. Christiania Omegns orn. Faun.* p. 185 (1864); *Schl. Mus. Pays-Bas*, Scolopaces, p. 103 (1864); *Jerd. B. Ind.* iii. p. 707 (1864); *Gigl. Ibis*, 1865, p. 61 (Pisa); *More, t. c.* p. 436; *Layard, B. S. Afr.* p. 328 (1867); *Swinh. Ibis*, 1867, p. 400; *Degl. et Gerbe, Orn. Eur.* ii. p. 243 (1867); *Loche, Expl. Sci. Algér., Ois.* ii. p. 287 (1867); *Tristr. Ibis*, 1868, pp. 131, 326 (Palestine); *Smith, t. c.* p. 454 (Portugal); *Chapm. Trav. S. Afr.* ii. App. p. 420 (1868); *Collett, Norges Fugle*, p. 57 (1868); *Borggr. Vogelf. Norddeutschl.* p. 112 (1869); *Sunder. Sv. Fogl.* pl. 38. fig. 1 (1869); *Dodrl. Arif. Sicil.* p. 197 (1869); *Layard, Ibis*, 1869, p. 76 (Colesberg, breeding; Hopetown); *Droste, Vogelw. Borkum*, p. 168 (1869); *Finsch & Hartl. Vog. Ostafr.* p. 755 (1870); *Stevens. B. Norfolk*, ii. p. 237 (1870); *Elwes & Buckley, Ibis*, 1870, p. 332 (Macedonia; Kastendji); *Fritsch, Vog. Eur.* Taf. 34. fig. 7 (1873); *Gray, Hand-l. B.* iii. p. 47, no. 10285 (1871); *Salvad. Faun. Ital., Ucc.* p. 200 (1871); *Swinh. P. Z. S.* 1871, p. 405 (China Coast in winter); *Gray, B. West Scotl.* p. 302 (1871); *Saunders, Ibis*, 1871, p. 387 (S. Spain); *Holdsw. P. Z. S.* 1872, p. 475 (Ceylon); *Harting, Handb. Brit. B.* p. 40 (1872); *Shelley, B. Egypt*, p. 200 (1872); *Gurney in Anders. B. Dam. Id.* p. 314 (1872: Otjimbinque; Ondonga; Walfish Bay; Sandwich Harbour; Angra Pequena); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1175 (1873); *Palmen, Finlands Fogl.* p. 246 (1873); *Severtz. Turkest. Jevotn.* p. 69 (1873); *Brooke, Ibis*, 1873, p. 338 (Sardinia); *Hayes Lloyd, t. c.* p. 417 (Kathiawar); *Hume, Str. F.* i. pp. 133, 248 (1873: Munchur Lake); *Adam, t. c.* p. 397 (Sambhur); *Harting, Ibis*, 1874, p. 245; *Saxby, B. Shetl.* p. 193 (1874); *Adam, Str. F.* ii. p. 339 (1874: Sambhur); *Dresser, B. Eur.* vii. p. 577, pl. 534 (1875); *Irby, Orn. Str. Gibr.* p. 164 (1875); *Dunf. & Harvie Brown, Ibis*, 1875, p. 420 (Transylvania); *Fallon, Ois. Belg.* p. 164 (1875); *Butler, Str. F.* iv. p. 18 (1876: Deesa); *Blanf. East. Persia*, ii. p. 280 (1876: Shiraz Lake, June); *Dresser, Ibis*, 1876, p. 329; *Tacz. Bull. Soc. Zool. France*, i. p. 249 (1876), ii. p. 156 (1877: Poland); *Finsch, Ibis*, 1877, p. 50 (Lake Ala-Kul); *Butler, Str. F.* v. p. 233 (1877: Guzerat); *David & Oust. Ois. Chine*, p. 461 (1877); *Pryer, in Rowley's Orn. Misc.* iii. p. 89 (1878: S.E. Mongolia, March; Yellow River, breeding; Koko-nor, March); *Hume, Str. F.* vii. p. 67 (1878: Jodhpur), p. 489 (Calcutta); *Blakist. & Pryer, Ibis*,

1878, p. 220 (Susaki, Tokio); *Bogd. B. Cauc.* p. 105 (1879); *Finsch, Verhandl. z.-b. ges. Wien*, xxix. p. 251 (1879: Omsk); *Butler, Cat. B. Sind etc.* p. 65 (1879: winter visitant); *Hume, Str. F.* viii. p. 113 (1879); *Legge, B. Ceylon*, iii. p. 925 (1880); *Danf. Ibis*, 1880, p. 84 (Asia Minor); *Bocage, Orn. Angola*, p. 469 (1881: Mossamedes); *W. A. Forbes, P. Z. S.* 1881, p. 644 (anatomy); *Milne-Edwards & Grandidier, Hist. Nat. Madag., Ois.* p. 628 (1882); *Butler, Feilden, & Reid, Zool.* 1882, p. 425 (Newcastle, S. A.); *Salvin, Cat. Strickl. Coll.* p. 604 (1882: Smyrna); *Blakiston & Pryer, B. Japan*, p. 111 (1882); *Simson, Ibis*, 1882, p. 90 (Dacca); *Seebohm, t. c.* p. 222 (Astrachan); *B. O. U. List Brit. B.* p. 162 (1883); *Seebohm, Ibis*, 1883, p. 31 (Caspian and Black Seas); *Irby, t. c.* p. 186 (Santander); *Seebohm, t. c.* p. 398 (Dobrudscha); *Saunders, ed. Yarrell's Brit. B.* iii. p. 299 (1883); *Blakist. Amended List B. Japan*, p. 30 (1884: doubtfully recorded); *Tristr. Faun. & Flor. Palest.* p. 131 (1884: Sea of Galilee); *Bogd. Consp. Av. Imp. Ross.* p. 79 (1884: Black Sea; Sea of Azof; Aralo-Caspian region; Russian Songaria; Dauria); *Radde, Orn. Cauc.* pp. 44, 424 (1884); *Murray, Vertebr. Faun. Sind*, p. 258 (1884); *Sharpe, ed. Layard's B. S. Afr.* p. 673 (1884); *Salvad. Ann. Mus. Genov.* (2) i. p. 221 (1884: Lake Cialalakà); *Swinhoe & Barnes, Ibis*, 1885, p. 134 (Gungra, Central India); *Gigl. Avif. Ital.* p. 379 (1886); *Salvad. Elenco Ucc. Ital.* p. 214 (1886); *Sundev. Ibis*, 1886, p. 456; *Buckley & Harvie Brown, Vertebr. Faun. Sutherl.* p. 215 (1887); *Tait, Ibis*, 1887, p. 388 (Portugal); *Reid, Str. F.* x. p. 453 (1887: Lucknow); *Irby, Key List Brit. B.* p. 45 (1888); *Chapman, Ibis*, 1888, p. 448 (Spain); *Buckley & Harvie Brown, Vertebr. Faun. Outer Hebrides*, p. 128 (1888); *Reichen. Syst. Verz. Vög. Deutschl.* p. 50 (1889); *Saunders, Man. Brit. B.* p. 545 (1889); *Gigl. Arif. Ital. 1st Resoc.* p. 581 (1889), *2nd Resoc.* p. 660 (1893), *3rd Resoc.* p. 516 (1891); *Brusina, Motr. etc. (Orn. Croat.)*, p. 88 (1890); *Lilford, Col. Fig. Brit. B.* pt. xiii. (1890); *Buckley & Harvie Brown, Vertebr. Faun. Orkney Isl.* p. 206 (1891); *Evans, Ibis*, 1891, p. 80 (incubation); *Sharpe, t. c.* p. 114 (Fao); *Styan, t. c.* pp. 330, 504 (Lower Yangtse); *Frivaldsky, Av. Hung.* p. 141 (1891); *Seebohm, Ibis*, 1892, p. 24 (Heligoland); *Sibree, t. c.* p. 115 (Madagascar); *De la Touche, t. c.* p. 493 (Foochow; Swatow); *Hartert, t. c.* p. 516 (E. Prussia); *Chapm. Ibis*, 1894, p. 349 (W. Jutland); *Irby, Orn. Straits Gibr.* 2nd ed. p. 274 (1895).

Scolopax avocetta, *Scop. Ann.* i. p. 92 (1769).

Avocetta recurvirostra, *Bodd. Tabl. Pl. Enl.* p. 21 (1783).

Scooping Avoset, *Lath. Gen. Syn.* iii. pt. 1, p. 293 (1785).

Avocetta europæa, *Dumont, Dict. Sci. Nat.* iii. p. 339 (1816).

Recurvirostra tephroleuca, *Vieill. Enc. Méth.* i. p. 360 (1820: Senegal); *Hartl. Orn. W.-Afr.* p. 236 (1857).

Recurvirostra fissipes, *Brehm, Vög. Deutschl.* p. 686 (1831).

The Avocet, *Yarrell, Brit. B.* ii. p. 555 (1843).

Recurvirostra avocetta fissipes, *Reichenb. Grall.* tab. lxvi. fig. 988 (1851).

Recurvirostra helebi, *A. E. Brehm, J. f. O.* 1854, p. 84.

Recurvirostra helevi, *Brehm, Vogelf.* p. 326 (1855).

Recurvirostra europæa, *Antinori, Cat. descr. Ucc.* p. 110 (1864).

Recurvirostra sinensis, *Swinhoe, Ibis*, 1867, p. 401 (Amoy).

Himantopus avocetta, *Seebohm, Hist. Brit. B.* iii. p. 74 (1885); *id. Ibis*, 1886, p. 228; *id. Geogr. Distr. Charadr.* p. 289 (1888).

Adult male. General colour above varied with black and white: the upper part of the mantle and scapulars black; the rest of the back, rump, and upper tail-coverts pure white, as also the outer scapulars, which form a white band on each side of the lateral black bands on the back; small wing-coverts along the carpal edge of the wing white, median coverts black, forming a broad band down the wing; bastard-wing and greater coverts pure white; primary-coverts white with black tips, the inner ones pure white; outer primaries blackish with white at the base, the inner ones pure white as well as the secondaries, the innermost secondaries blackish; tail-feathers pale ashy grey, the outermost feathers whitish; crown of head black, extending in a broad line to the hind-neck; lores also blackish, and the feathers below the eye, sides of face and ear-coverts, sides of neck, and entire under surface of body, including the under wing-coverts, axillaries, and quill-lining, pure white: "bill black; feet and toes pale blue; iris reddish brown" (*Howard Saunders*). Total length 16·5 inches, culmen 3·3, wing 8·6, tail 3, tarsus 3.

Adult female. Similar to the male in plumage. Total length 17 inches, culmen 3·15, wing 9, tail 3·55, tarsus 3·3.

In winter both the old and young birds appear to have the white of the upper parts sullied with grey, and the black of the head is confined to the crown, not reaching beyond the nape; some specimens, probably young ones, have a good deal of brown mixed with the black of the upper parts. The tail is light grey in winter, and becomes pure white in summer.

Nestling. Ashy grey, slightly mottled with dusky bars: on the sides of the mantle two incomplete streaks of black; a black streak on the middle of the rump and a black line extending along the sides of the body across the base of the root of the tail; minor black markings are seen upon the head and on the wings; under surface of body yellowish white.

Hab. In suitable localities throughout Central and Southern Europe, Africa, and Temperate Asia, east to Mongolia in summer, and south to the Indian Peninsula and Ceylon. Formerly breeding in the British Islands, but now only an occasional visitor.

a Imm st.	Pagham, Sussex.	Sharpe Coll.
b Ad st.	Norfolk.	Old Coll.
c Ad st.	S. Wales.	Montagu Coll.
d, e Juv st.	Europe.	Purchased.
f Ad sk.	Jutland, June (*A. Benzon*).	Hume Coll.
g Ad sk.	Zuyder Zee, Holland.	Salvin-Godman Coll.
h, i Juv st.	Holland.	Gould Coll.
j Pull sk.	Holland (*F. Bond*).	Gould Coll.
k, l Ad sk.	Seville, May 20 (*H. Saunders*).	Tweeddale Coll.
m, n Imm sk.; *o* Ad sk.	Algeria.	Seebohm Coll.
p Ad st.	Athens.	Consul Merlin P.C.
q, r Ad sk.	Egypt, March (*Capt. E. Shelley*).	Seebohm Coll.
s, t Juv st.	Cape Colony.	Sir A. Smith C.B.
u Ad sk.	Damara-land	C. J. Anderson, Esq. C.B.

v. Ad. sk.	Fao, Persian Gulf, Jan. 6.	W. D. Cumming, Esq. [P.]¹
w. ♂ ad. sk.	Narkot, Sind, Jan. 18 (*W. T. Blanford*).	Hume Coll.
x. Ad. sk.	Loodiana, Jan.	Hume Coll.
y. Ad. sk.	Sind (*Dr. Gould*).	India Museum.
z. ♂ ad. sk.	Munchur Lake, Jan. 27 (*A. O. H.*).	Hume Coll.
a'. ♀ ad. sk.	Sambhur, Jan. 14 (*R. M. Adam*).	Hume Coll.
b', c', d'. ♂ ♀ ad. sk.	Ahmedabad, April 19 (*A. O. H.*).	Hume Coll.
e'. ♀ juv. sk.	Ajmere, Dec. 19 (*A. O. H.*).	Hume Coll.
f'–h'. ♂ ♀ ad. sk.	Delhi, Jan. to March (*A. O. H.*).	Hume Coll.
i'–m'. ♂ ♀ ad. sk.	Gurgaon district, Jan. to March (*A. O. H.*).	Hume Coll.
n'–q'. ♂ ♀ ad. sk.	Gurgaon district, Nov. to March (*W. N. Chill*).	Hume Coll.
r', s', t'. Ad. sk.	Etawah.	Hume Coll.
u'–x'. Ad. sk.	Sohnpur.	Pinwill Coll.
y'. Ad. sk.	Nepal.	Hodgson Coll.
z'. Ad. sk.	Assam (*McClelland*).	India Museum.
a'', b''. Ad. sk.	Calcutta (*Blyth*).	India Museum.
c'', d''. ♂ ♀ ad. sk.	Amoy, Feb. 5 (*R. Swinhoe*).	Seebohm Coll. (Types of *R. sinensis*.)
e''. Ad. sk.	Fokien.	Seebohm Coll.
f''. ♀ ad. sk.	Swatow (*R. S.*).	Seebohm Coll.
g''. ♀ ad. sk.	Tientsin, Dec. (*R. S.*).	Seebohm Coll.

2. Recurvirostra americana.

American Avoset, *Pennant, Arct. Zool.* ii. p. 502, pl. xxi. (1785); *Lath. Gen. Syn.* iii. pt. 1, p. 225, pl. xcii. (1785); *Nutt. Man. Orn.* ii. p. 75 (1834).

Recurvirostra americana, *Gm. Syst. Nat.* i. p. 693 (1788); *Wilson, Amer. Orn.* vii. p. 126, pl. 63. fig. 2 (1813); *Leach, Zool. Misc.* ii. p. 114, pl. 101 (1815); *Vieill. N. Dict. d'Hist. Nat.* iii. p. 103 (1816); *Audub. B. Amer.* pl. cccxviii. (c. 1826); *Swains. Faun. Bor.-Amer., Birds*, p. 375 (1831: Saskatchewan, May); *Audub. Orn. Biogr.* iv. p. 168 (1838); *Bp. Comp. List B. Eur. & N. Amer.* p. 54 (1838); *Audub. B. Amer.* 8vo, vi. p. 24, pl. 353 (1843); *Giraud, B. Long Isl.* p. 269 (1844); *Gray, List Grall. Brit. Mus.* p. 97 (1844); *id. Gen. B.* iii. p. 576 (1847); *Gosse, B. Jamaica*, p. 389 (1847); *Reichenb. Grall.* tab. lxvi. fig. 991 (1851); *Licht. Nomencl. Av. Mus. Berol.* p. 93 (1854: Mexico); *Bp. C. R.* xliii. p. 421 (1856); *Baird, B. N. Amer.* p. 703 (1858); *Henry, Proc. Acad. Nat. Sci. Philad.* 1859, p. 108 (New Mexico); *Xantus, t. c.* p. 192 (Fort Tejon, California); *Brewer, Proc. Bost. Soc. N. H.* vii. p. 308 (1860: Cuba); *Gundl. J. f. O.* 1862, p. 88 (Cuba); *Albrecht, t. c.* p. 206 (Jamaica); *Blakist. Ibis*, 1863, p. 130 (Saskatchewan Plains; Fort Carlton; Mackenzie River); *March, Proc. Acad. Nat. Sci. Philad.* 1864, p. 67 (Jamaica); *Schl. Mus. Pays-Bas*, Scolopaces, p. 104 (1864); *Coues, Ibis*, 1865, p. 158 (Arizona); *Salvin, t. c.* p. 192 (Guatemala); *Dresser, Ibis*, 1866, p. 35 (S. Texas); *Salvin, t. c.* p. 198 (Chiapam); *Coues, t. c.* p. 263; *id.*

Proc. Acad. Nat. Sci. Philad. 1866, p. 97 (Arizona); *id. Proc. Bost. Soc. N. H.* xii. p. 124 (1868: S. Carolina); *Stevenson, Geol. Surv. Terr.* 1871, p. 403 (North Platte River); *Gray, Hand-l. B.* iii. p. 47, no. 10288 (1871); *Allen, Bull. Harv. Coll.* ii. p. 357 (1871: Florida); *Coues, Proc. Acad. Nat. Sci. Philad.* 1871, p. 33 (Fort Macon, N. Carolina); *id. Key N. Amer. B.* p. 247 (1872); *Allen, Bull. Harv. Coll.* iii. p. 171 (1872: Great Salt Lake, breeding); *Aiken, Proc. Bost. Soc. N. H.* xv. p. 209 (1872: Arkansas River); *Scl. & Salv. Nomencl. Av. Neotr.* p. 144 (1873); *Merriam, Geol. Surv. Terr.* vi. p. 701 (1873: Great Salt Lake); *Ridgw. Proc. Bost. Soc. N. H.* xvi. p. 328 (1874: Lower Wabash Valley); *Coues, B. N.-West*, p. 400 (1874); *Harting, Ibis*, 1874, p. 253; *Lawr. Mem. Bost. Soc. N. H.* ii. p. 308 (1874: Rio de Cohuana; Mazatlan); *Allen, Proc. Bost. Soc. N. H.* xvii. p. 66 (1874: Yellowstone); *Ridgw. Ann. Lyc. N. Y.* x. p. 384 (1874: Illinois); *Hensh. Rep. Zool. Expl. 100th Merid.* p. 448 (1875); *Gundl. J. f. O.* 1875, p. 330 (Cuba); *id. Orn. Cubana*, p. 178; *Ridgw. Rep. Survey 40th Parallel*, p. 605 (1877: Carson, Nevada; Salt Lake); *Sennett, Bull. U.S. Geol. Surv.* iv. p. 54 (1878: Galveston Bay); *Coues, t. c.* p. 635 (Milk River, breeding); *Kumlien, Bull. U.S. Nat. Mus.* no. 15, p. 84 (1879: Lake Kennedy); *Maynard, B. East. N. Amer.* p. 368 (1879); *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 201 (1880), iv. p. 219 (1881); *Belding, Proc. U.S. Nat. Mus.* v. p. 351 (1882: Lower California); *Coues, Check-l. N. Amer. B.* p. 99 (1882); *id. Key N. Amer. B.* 2nd ed. p. 611 (1884); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 341 (1884); *Cory, List B. West Ind.* p. 20 (1885); *Drew, Auk*, ii. p. 18 (1885: Colorado); *Beckh. t. c.* p. 144 (Pueblo); *Ayersb. t. c.* p. 286 (S.E. Dakota); *Everm. op. cit.* iii. p. 91 (1886: Ventura Co., California); *Scott, t. c.* p. 386 (S. Arizona); *A. O. U. Check-l. N. Amer. B.* p. 146 (1886); *Lloyd, Auk*, iv. p. 185 (1887: W. Texas); *Towns. Proc. U.S. Nat. Mus.* x. pp. 103, 198 (1887: N. California); *Beckh. t. c.* p. 642 (S.W. Texas), p. 651 (Corpus Christi Bay); *Ridgw. Man. N. Amer. B.* p. 140 (1887); *Jeffries, Auk*, vi. p. 223 (1889: Santa Barbara); *Cory, B. West Ind.* p. 232 (1889); *Thomps. Proc. U.S. Nat. Mus.* xiii. p. 497 (1890: Manitoba; Winnipeg; Souris R.; Plum Creek); *Merriam, N. Amer. Faun.* no. 3, p. 88 (1890), no. 5, p. 91 (1891: Idaho); *Fisher, op. cit.* no. 7, p. 22 (1893); *Scott, Auk*, ix. p. 12 (1892: Jamaica); *Attwater, t. c.* p. 232 (San Antonio); *Anthony, t. c.* p. 300 (S.W. New Mexico); *Cory, Cat. B. West Indies*, p. 92 (1892: Greater and Lesser Antilles); *Dutcher, Auk*, x. p. 272 (1893: Long Island).

Recurvirostra occidentalis, *Vigors, Zool. Journ.* iv. p. 356 (1829: San Francisco); *Wagl. Isis*, 1831, p. 520; *Vigors, in Beechey's Voy. Blossom*, p. 28, pl. xii. (1839); *Gray & Mitchell, Gen. B.* iii. p. 576, pl. 155 (1847); *Reichenb. Grall.* tab. cclxxxviii. figs. 2304-05 (1851); *Bp. C. R.* xliii. p. 421 (1856).

Himantopus americana, *Seebohm, Hist. Brit. B.* iii. p. 75 (1885); *id. Geogr. Distr. Charadr.* p. 291 (1888).

Adult male in breeding-plumage. General colour above black and white, the mantle and scapulars black, the upper mantle white; wing-coverts black, the greater coverts broadly tipped with white, forming a wing-band; the coverts separated from the black of the back by a broad band of white, which occupies the outer scapulars

and parapteral feathers; bastard-wing, primary-coverts, and primaries black, the inner ones black edged with white, which increases gradually on the inner ones, which have only a black mark near the end of the outer web; the inner secondaries entirely white, the long innermost quills brown, grey at the ends; tail-feathers pearly grey; head and neck all round vinaceous chestnut, becoming paler on the hind-neck and on the lower throat, where it gradually overspreads the breast; the rest of the under surface being white, including the under wing-coverts and axillaries; base of forehead and base of chin also white: "bill deep black; feet ashy blue; iris umber-brown" (*R. Ridgway*). Total length 16 inches, culmen 3·7, wing 8·9, tail 3·4, tarsus 3·7.

Adult female. Similar to the male. Total length 15 inches, culmen 3·5, wing 8·9, tail 3·3, tarsus 3·5.

Adult in winter plumage. Differs from the summer plumage in having the head and hind-neck pale lavender-grey.

Young. Similar to the adults, but brownish black where the full plumage is deep black; the head and face pale lavender-grey; the hind-neck and sides of neck washed with pale cinnamon; and the white of the mantle sullied with brown.

Hab. Temperate North America, north to the Saskatchewan and Great Slave Lake, south (in winter) to Guatemala, Cuba, and Jamaica (*R. Ridgway*).

a. Ad. æstiv. st.	Hudson's Bay Territory.	Sir G. Back [P.].
b. Ad. æstiv. st.	Hudson's Bay Territory.	Sir John Richardson [P.].
c, *d*. Ad. sk.	49th Parallel, July (*G. Dawson*).	N.A. Bound. Comm.
e, *f*. Ad. sk.	Near Chief Mountain, Dakota, Aug. 29 (*E. Coues*: *Hensh. Coll.*).	Salvin-Godman Coll.
g. ♂ æstiv. sk.	N. Dakota, May 3.	E. S. Cameron, Esq. [P.].
h. ♂ ad. sk.	Washoe Lake, Nevada, May (*H. W. H.*).	Salvin-Godman Coll.
i. ♀ ad. sk.	Fort Larned, Kansas, June 2 (*E. Coues*).	Salvin-Godman Coll.
k, *l*. ♂ ad. sk.	Fort Garland, Colorado, June 2 (*H. W. H.*).	Salvin-Godman Coll.
m. ♂ ad. sk.	Colorado Springs, Colorado, May 2 (*H. W. H.*).	Salvin-Godman Coll.
n–s. ♂ ♀ ad. hiem. sk.	Corpus Christi, Texas, Feb., March, Nov. (*F. B. Armstrong*).	Salvin-Godman Coll.
t–w. ♂ æstiv.; *x*. ♀ sk.	Brownsville, May (*F. B. Armstrong*).	Salvin-Godman Coll.
y–b''. ♂ ♀ æstiv. sk.	Aransas Bay, May, June (*F. B. Armstrong*).	Salvin-Godman Coll.
c''. ♀ hiem. sk.	San Patricio, Dec. (*F. B. Armstrong*).	Salvin-Godman Coll.
d''. Ad. sk.	Avocet Camp, Utah (*C. S. McCarty*).	Salvin-Godman Coll.

e, *f*'. *g*''. Ad. æstiv.; *h*'', *i*''. Ad. hiem. sk.	California.	Seebohm Coll.
k. Ad. sk.	Laguna, California, Oct. 1 (*C. E. Aitken*).	Salvin-Godman Coll.
l'. Ad. æstiv. sk.	Santa Cruz, California, June 10 (*H. W. H.*).	Salvin-Godman Coll.
m'. ♀ æstiv. sk.	Mexico.	Seebohm Coll.
n'. ♂ æstiv. sk.	Zacatecas, Aug. (*W. B. Richardson*).	Salvin-Godman Coll.
o. Ad. sk.	S. Mexico (*Boucard*).	Salvin-Godman Coll.
p', *q*'', *r*''. Ad. hiem. sk.	Chiapam, Guatemala, Jan. (*O. S.*).	Salvin-Godman and Tweeddale Colls.

3. Recurvirostra novæ hollandiæ.

Recurvirostra novæ hollandiæ, *Vieill. N. Dict. d'Hist. Nat.* p. 103 (1816); *Gray, Ibis*, 1862, p. 237 (New Zealand); *Buller, B. New Zeal.* p. 201 (1873); *Harting, Ibis*, 1874, p. 258; *Buller, B. New Zeal.* 2nd ed. ii. p. 20, pl. xxvii. fig. 1 (1888).

Recurvirostra rubricollis, *Temm. Man. d'Orn.* ii. p. 592 (1820); *Gould, B. Australia*, vi. pl. 27 (1842); *Gray, List Grall. Brit. Mus.* p. 97 (1844); *id. Gen. B.* iii. p. 576 (1847); *Reichenb. Vog. Neuholl.* p. 20 (1850); *id. Grall.* tab. lxii. figs. 989 990 (1851); *Bp. C. R.* xliii. p. 421 (1856); *Schl. Mus. Pays-Bas*, Scolopaces, p. 104 (1864); *Gould, Handb. B. Austr.* ii. p. 249 (1865); *Gray, Hand-l. B.* iii. p. 47, no. 10287 (1871); *Ramsay, Proc. Linn. Soc. N. S. W.* i. p. 217 (1877: N. S. W.); *id. P. Z. S.* 1877, p. 337 (eggs); *id. Proc. Linn. Soc. N. S. W.* ii. p. 198 (1878), vii. p. 411 (1883: Lachlan distr., breeding, Sept. Dec.); *id. op. cit.* (2) i. p. 1080 (1887: Derby, N.W. Australia); *North, t. c.* p. 1173; *Ramsay, Tab. List Austr. B.* p. 20 (1888: Australia generally except Cape York); *id. Proc. Linn. Soc. N. S. W.* (2) ii. p. 171 (1888); *North, Nests & Eggs Austr. B.* p. 300 (1889).

Avocetta novæ hollandiæ, *Ellman, Zool.* 1861, p. 7470 (New Zealand).

Himantopus novæ hollandiæ, *Seebohm, Hist. Brit. B.* iii. p. 75 (1885).

Himantopus rubricollis, *Seebohm, Ibis*, 1886, p. 220; *id. Geogr. Distr. Charadr.* p. 202 (1888).

Adult. General colour above white, with a longitudinal line of black down the sides of the back, formed by the scapulars; outer scapulars white, forming a broad band which skirts the black scapulars; small wing-coverts on the edge of the wing white, the remainder of the lesser wing-coverts black, the greater series white, with more or less black on the outer webs; bastard-wing pure white; primary-coverts blackish, white at the base, the inner ones entirely white; quills blackish, primaries white at the base and along the inner web, the inner primaries and secondaries pure white, the innermost secondaries black; upper tail-coverts and tail ashy grey, the outer feathers white, shaded with ashy externally; head all round bright chestnut, extending round half the neck and occupying the whole of the throat; remainder of the under surface, from the fore-neck downwards, pure white, including

the under wing-coverts and axillaries: "bill black; legs greyish blue, tarsi and feet tinged with olive; iris bright red" (*J. Gould*). Total length 15·5 inches, culmen 3·6, wing 8·9, tail 31, tarsus 3·35.

Hab. Australia and New Zealand.

a. Ad. st.	Australia.	Lady Carrington [P.].
b. Ad. st.	Australia.	Old Coll.
c, *d.* Ad. sk.	Australia.	Seebohm Coll.
e. Ad. sk.	S. Australia.	Seebohm Coll.
f, *g.* Ad. sk.	S. Australia.	Capt. Sturt [P.].
h. ♂ ad. sk.	Port Adelaide, S. Australia, May.	Sir G. Grey [P.].
i. Ad. sk.	S. Australia.	Seebohm Coll.
k. Ad. sk.	Lachlan River, N. S. W.	Lord Leigh [P.].
l. Ad. sk.	Queensland.	Seebohm Coll.
m, *n*, *o.* Ad. sk.	Queensland.	Salvin-Godman Coll.
p. Ad. sk.	Derby, N.W. Australia (*T. H. Bowyer Bower*).	Capt. Bowyer Bower [P.].
q. Ad. sk.	N.W. Australia, Sept. 19.	J. R. Elsey, Esq. [P.].
r. Ad. sk.	New Zealand.	Sir Samuel Scott [P.].
s. Ad. sk.	New Zealand.	Colonial Museum [P.].

4. Recurvirostra andina.

Recurvirostra andina, *Philippi & Landb. Arch. f. Naturg.* xxix. p. 131 (1863: Paruncota, 16,000 ft.); *Gray, Hand-l. B.* iii. p. 47, no. 10289 (1871); *Scl. & Salv. Nomencl. Av. Neotr.* p. 144 (1873); *Harting, Ibis*, 1874, p. 257, pl. ix.; *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 341 (1884); *Tacz. Orn. Pérou*, iii. p. 384 (1886); *Scl. P. Z. S.* 1886, p. 404 (Huasco, Tarapacá); *Ridgw. Man. N. Amer. B.* p. 146 (1887).

Himantopus andinus, *Seebohm, Ibis*, 1886, p. 232; *id. Geogr. Distr. Charadr.* p. 286 (1888).

Adult female. General colour above sooty black, including the wings and tail, the secondaries with a certain amount of white towards the base of the inner web; lower back and rump white, the upper tail-coverts sooty black, with white on many of these feathers; head and neck all round, as well as the upper mantle and the entire under surface of the body, pure white, including the under wing-coverts and axillaries: "bill black; feet bluish grey; iris orange, with a yellow rim" (*A. A. Lane*). Total length 17 inches, culmen 2·9, wing 9·5, tail 4, tarsus 3·5.

Nestling. Covered with white down, the back mottled with brown, the black appearing on the scapulars, sides of body, and upper tail-coverts.

Hab. Andes of Chili.

a, *b.* ♀ ad. sk.	Lake Huasco, Tarapacá, Jan.,Feb.(*A.A.Lane*).	Berkeley James Coll.
c. ♀ ad. sk.	Sacaya, March 18 (*A. A. Lane*).	Berkeley James Coll.
d. ♀ ad. et pull. sk.	Lueva Negra, Tarapacá, Feb. 9 (*Rahmer*).	Berkeley James Coll.

Subfamily VII. IBIDORHYNCHINÆ.

40. IBIDORHYNCHUS.

Type.

Ibidorhynchus, *Vigors*, *P. Z. S.* 1830, p. 174 ..... I. struthersi.
Clorhynchus, *Hodgs. J. A. S. Beng.* iv. p. 701 (1835) .. I. struthersi.
Falcirostra, *Severtz. Turkest. Jevotn.* p. 146 (1873) .... I. struthersi.

Range. The mountain streams of the Himalayan Region to Central Asia and eastwards to China.

1. Ibidorhynchus struthersi.

Ibidorhynchus struthersi, *Vigors*, *P. Z. S.* 1830, p. 174 (Himalaya Mts.); *Gould*, *Cat. B. Himal. Mts.* pl. lxxix. (1832); *Gray*, *Cat. Mamm. &c. Nepal pres. Hodgs.* p. 138 (1846); *id. Gen. B.* iii. p. 588 (1847); *Blyth*, *Cat. B. Mus. As. Soc.* p. 265 (1849: Bhotan; Nepal); *Reichenb. Grall.* tab. xcvi. fig. 1044 (1850); *Gould*, *B. Asia*, vii. pl. 61 (1856); *Jerd. B. Ind.* iii. p. 685 (1864) *Gray*, *Hand-l. B.* iii. p. 41, no. 10238 (1871); *Swinh. P. Z. S.* 1871, p. 411 (near Pekin); *Blanf. J. A. S. Beng.* xl. p. 400 (1871), xli. p. 72 (1872: Sikhim); *Brooks*, *t. c.* p. 80 (Cashmere); *id. Str. F.* iii. p. 257 (1875: Derali, Bhagirati Valley); *Dresser*, *Ibis*, 1876, p. 320 (Turkestan); *David & Oust. Ois. Chine*, p. 456, pl. 118 (1877); *Prjev. in Rowley's Orn. Misc.* iii. p. 51 (1878: Koko-nor Mts., Nov.: Kan-su Mts.); *Hume*, *Str. F.* viii. p. 112 (1879), xi. p. 323 (1883: Manipur); *Seebohm*, *Geogr. Distr. Charadr.* p. 314 (1888); *id. Ibis*, 1891, p. 378 (Western Szechuen, 14,000 ft.); *Berez. & Bianchi*, *Ares Gan-su.* p. 4 (1891); *Oust. N. Arch. Mus.* (3) vi. p. 89 (1894: Tatsien-lou).

Clorhynchus strophiatus, *Hodgs. J. A. S. Beng.* iv. p. 701 (1835); *id. Icon. ined. in Brit. Mus.*, *Grall.* pls. 82, 82 *a*, 99, App. pl. 46, no. 576; *id. in Gray's Zool. Misc.* p. 86 (1844).

Ardea —— ?, *Swinh. Ibis*, 1861, p. 344 (between Takoo & Pekin).

Numenius struthersi, *Schl. Mus. Pays-Bas*, Scolopaces, p. 102 (1864: Nepal).

Falcirostra kaufmanni, *Severtz. Turkest. Jevotn.* pp. 69, 146, pl. x. figs. 1, 2 (1873).

Falcirostra longipes, *Severtz. Turkest. Jevotn.* pp. 69, 147 (1873).

Adult. General colour above ashy grey, a little clearer grey on the wing-coverts; bastard-wing blackish; primary-coverts blackish; quills dusky grey, blackish at the ends, the inner primaries with a round sub-terminal spot of white, increasing in extent towards the secondaries, the outermost of which have white bases, forming a large wing-patch; remainder of secondaries ashy grey, with more or less white towards the base of the inner web; innermost long secondaries like the back; lower back, rump, and upper tail-coverts clearer grey than the mantle, the central coverts blackish with grey tips, the others grey externally; tail-feathers ashy brown, with wavy bars of dusky blackish, all but the centre feathers with a large black spot at the ends, the external one barred with black and white on the outer web only, and the bars on the inner web

very indistinct; centre of crown black, ending in a point on the nape; the forehead somewhat hoary, as also the fore part of the cheeks; lores and remainder of sides of face, as well as the throat, black, which extends to below the eye and then in a diagonal direction across the face to the lower throat; a white line skirting this black mask from the sides of the nape and joining on the throat; ear-coverts and sides of neck, as well as the whole of the hind-neck and fore-neck, lavender-grey, everywhere separated by the line of white before mentioned; across the chest a broad band of black, separated from the grey fore-neck by a line of white; remainder of under surface of body pure white, including the under tail-coverts, under wing-coverts, and axillaries: "bill deep crimson; feet blood-red; iris red" (*T. C. Jerdon*). Total length 13 inches, culmen 2·9, wing 9·2, tail 4·2, tarsus 1·85.

Adult female. Similar to the male, but with the black of the face and the band on the chest rather browner. Total length 16 inches, culmen 3, wing 2·2, tail 4·5, tarsus 1·75.

Young. Much more dingy than the adults in colour, but freckled with ochreous buff and dusky lines; the black of the face replaced with dusky and also on the crown; the forehead, cheeks, and throat hoary; the black band on the chest feebly developed, dusky blackish, obscured with whitish margins to the feathers.

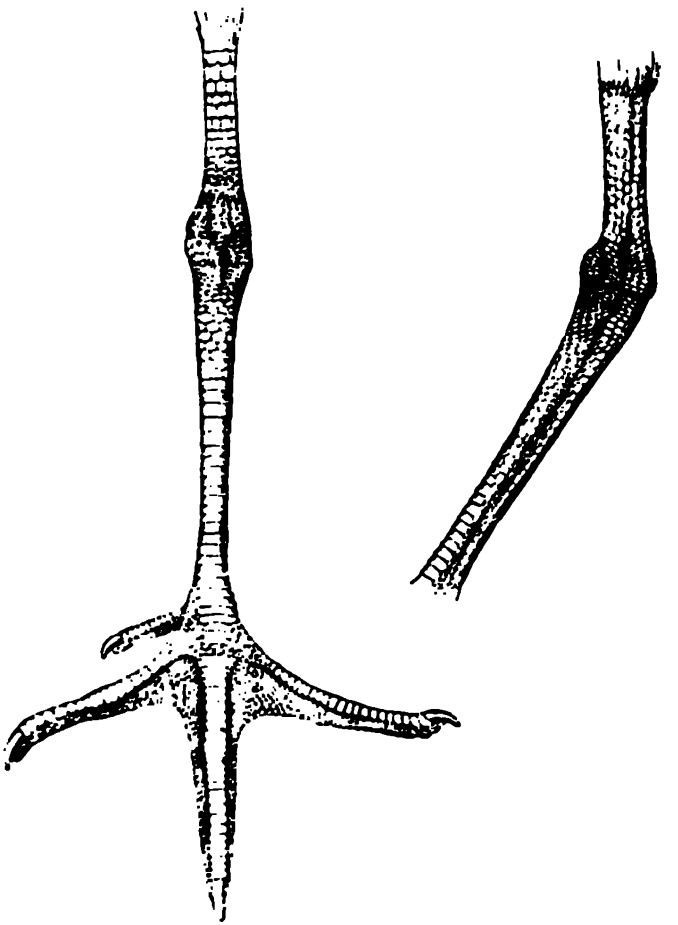
Hab. Himalayas from Cashmere to Assam. Central Asia from Turkestan to Tibet, and eastwards to Mongolia and Northern China.

a, b. Ad. sk.	Gulcha, Pamir, May.	St. George Littledale, Esq. [P.].
c. Ad. sk.	Himalayas.	India Museum. (Type of species.)
d. ♀ ad. sk.	Rembiara River, Cashmere, June 12 (*W. E. Brooks*).	Hume Coll.
e–i. Ad. et juv. sk.	Nepal.	Hodgson Coll.
k, l. Ad. sk.	Native Sikhim, Dec., March (*L. Mandelli*).	Hume Coll.
m. Ad. sk.	Native Sikhim, March (*J. Biddulph*).	Tweeddale Coll.
n. Ad. sk.	Sikhim, Sept.	Colonel Biddulph [C.].
o–u. Ad. sk.	Sikhim, Dec. to March (*L. Mandelli*).	Hume Coll.
v. ♂ juv. sk.	Sikhim (12,000 ft.), Sept. 14 (*H. J. Elwes*).	Tweeddale Coll.
w–z. Ad. sk.	Darjeeling.	Hume Coll.
a'. Ad. sk.	Tibet, Oct. (*L. Mandelli*).	Hume Coll.
b'–d'. Ad. sk.	Bhotan (*Pemberton*).	India Museum.
e'. Ad. sk.	Upper Assam (Chinese Frontier).	Tweeddale Coll.
f'. Ad. sk.	Saddya, Assam, Feb.	Hume Coll.
g'', h''. ♂ ad. sk.	Noa Dihing, Assam, Feb., March (*H. H. Godwin-Austen*).	Godwin-Austen Coll.
i'. ♀ imm. sk.	Pekin.	F. W. Styan, Esq. [P.].

Subfamily VIII. TOTANINÆ.

Key to the Genera.

a. Bill distinctly arched.
  a'. Tarsus transversely scaled and reticulated behind ..... 41. NUMENIUS, p. 340.



Foot of Numenius phæopus, from nature, to show the scutellation

b'. Tarsus transversely scutellated in front and behind ..... [p. 371.
42. MESOSCOLOPAX,

b. Bill straight or slightly upturned.

c'. Bill long, the culmen exceeding the tail in length.

a''. Bill with the tip scarcely widened, with a slight upward tendency, but not pitted; the groove at the base of the under mandible not extending beyond the half of the bill. 43. LIMOSA, p. 372.

b''. Bill widened at the tip, which is pitted; the groove on the lower mandible extending nearly to the tip of the latter, which is also pitted. [p. 393.
44. MACRORHAMPHUS,

d'. Bill moderate, not exceeding the tail in length, and generally exceeded by the latter.

c''. Culmen exceeding the length of the middle toe and claw.

a'''. Bill long and slender, straight and widened at the tip, which is pitted: outer and inner toes united at the base to the middle one by a distinct membrane .. 45. MICROPALAMA, p. 401.

b'''. Bill straight, the tip of the upper mandible slightly decurved at the tip.

*a*⁴. Tarsus longer than middle toe and claw.

*a*⁵. Inner and outer toes joined to the middle one at the base by a distinct web ..... 46. SYMPHEMIA, p. 405.

*b*⁵. Outer toe joined to the middle one by a distinct web at the base, the inner toe scarcely united to the middle one.

*a*⁶. Tarsus much longer than middle toe without claw, being more than one and a half times as long as the toe..... 47. TOTANUS, p. 409.

*b*⁶. Tarsus much shorter and scarcely exceeding the length of the middle toe and claw ..... 48. HELODROMAS, p. 457.

*b*⁴. Tarsus about equal to the middle toe and claw, and not exceeding the latter; bare part of tibia scarcely exceeding the length of the hind toe and claw.

*c*⁵. Secondaries falling far short of the primaries, by more than the length of the tarsus. [p. 449.
49. HETERACTITIS,

*d*⁵. Secondaries equal to the primaries, the distance between them being much less than the length of the tarsus. 50. TRINGOIDES, p. 456.

c'''. Bill with an upward curve.
c^4. Both inner and outer toes united at the base to the middle one by a distinct membrane.
c^5. Bill slender; inner secondaries rather long in comparison with the primaries, and reaching to about the fourth primary ..... 51. TEREKIA, p. 474.
f^5. Bill much stouter; inner secondaries shorter and reaching to about the sixth primary* ..... [p. 479. 52. PSEUDOGLOTTIS,
d^4. Inner toe united at the base by a membrane to the middle toe, but the outer toe scarcely connected; bill with a distinct upward tendency of the lower mandible, rising from a point a little beyond the terminal half of the latter ..... 53. GLOTTIS, p. 480.
c^3. Bill short; the tail exceeding the culmen in length.
d'''. Tarsus very long, exceeding the bill in length; the bare part of the tibia equal to about half the length of the tarsus.
d''''. Toes long, the tarsus not twice the length of the inner toe and claw.
e^4. No ornamental shield; sexes alike in size; tail nearly square, the centre feathers exceeding the outer rectrices by less than the length of the hind toe and claw; feathers on the angle of the chin reaching only to about the level of the forehead .... [p. 490. 54. RHYACOPHILUS,
f^4. A conspicuous shield of feathers in the male, which is much larger than the female; tail strongly graduated ..... 55. PAVONCELLA, p. 490.
e^5. Toes much shorter, the tarsus twice the length of the inner toe and claw; tail much graduated, the outer feathers falling short of the middle ones by more than the length of the hind toe and claw; feathers on the angle of the chin produced forwards, far beyond the line of the forehead; a dertral swelling slightly indicated ..... 56. BARTRAMIA, p. 500.

* These two genera are very closely allied, much more so than would be at first supposed; but *Terekia* is evidently a long-billed genus akin to *Tringoides*, while *Pseudoglottis* is a web-toed Greenshank.

e''. Tarsus short, about equal to the culmen in length; bare part of the tibia nearly equalling the tarsus in length; bill flattened and somewhat widened at the end; feathers of the chin-angle nearly equal to the feathers on the edge of the forehead ..... 57. ERUNETES, p. 514.

41. NUMENIUS.

	Type.
Numenius, *Briss. Orn.* v. p. 311 (1760)	N. arquatus.
Phæopus, *Cuvier, Règne An.* i. p. 485 (1817).....	N. phæopus.
Cracticornis, *Gray, List Gen. B.* p. 88 (1841)	N. arquatus.

Range. Nearly cosmopolitan.

Key to the Species.

a. Quills barred with whitish or rufous on the inner web.

a'. Colour of crown of head similar to that of the back, not showing a mesial pale longitudinal band. (CURLEWS.)

a''. Axillaries pure white, or with traces of a few dusky lines; lower back and rump white, either uniform or with longitudinal streaks and spots of black.

a'''. Size larger: culmen 4·75–6·1 inches; tarsus 2·9–3·2 inches; rump white (juv. vel hiem.), or white spotted and streaked with blackish (ad. æstiv.) .. *arquatus*, p. 341.

b'''. Size smaller: culmen less than 3 inches; tarsus 2·4 inches; lower back and rump always pure white ..... *tenuirostris*, p. 348.

b''. Axillaries white, broadly and plentifully barred with blackish like the wing-coverts; lower back and rump brown, not white, mottled with blackish like the mantle and upper back ..... *cyanopus*, p. 350.

c''. Axillaries and under wing-coverts vinous cinnamon, with a few narrow dusky bars; quills also vinous cinnamon below, barred with dusky; lower back and rump dark like the upper back, not white ..... *longirostris*, p. 352.

b'. A central longitudinal pale band down the crown, with the sides of the crown blackish brown, forming a broad band along each side of the latter. (WHIMBRELS.)

d''. Lower back and rump pure white, or with some central spots and streaks of dusky blackish; axillaries white or white barred with brown ..... } *phæopus*, p. 355. *variegatus*, p. 361.

c''. Lower back and rump like the upper back, not white.

c'''. Upper tail-coverts barred with buff and dark brown; tail ashy brown with bars

of dark brown; no peculiarity of thigh-feathers ..... *hudsonicus*, p. 364.

♂♀. Upper tail-coverts uniform cinnamon-buff; tail-feathers cinnamon-buff, banded with dusky brown; shafts of thigh-feathers produced into hair-like bristles ..... *tahitiensis*, p. 367.

b. Inner aspect of quills uniform, without bars or notches on the inner web; axillaries cinnamon-rufous barred with brown; lower back and rump like the rest of the back ..... *borealis*, p. 368.

1. Numenius arquatus.

The Curlew, *Albin, Nat. Hist. B.* i. p. 75, pl. 70 (1738).

Le Courly, *Briss. Orn.* v. p. 311 (1760); *D'Aubent. Pl. Enl.* viii. pl. 318.

Le Courly de Madagascar, *Briss. Orn.* v. p. 321, pl. xxviii. (1760).

Scolopax arquata, *Linn. Syst. Nat.* i. p. 242 (1766: Europe); *Gm. Syst. Nat.* i. p. 655 (1788).

Scolopax madagascariensis, *Linn. Syst. Nat.* i. p. 242 (1766: Madagascar); *Gm. Syst. Nat.* i. p. 655 (1788).

Courly de Madagascar, *D'Aubent. Pl. Enl.* viii. pl. 198.

Le Courlis, *Buff. Hist. Nat. Ois.* viii. p. 19, pl. ii. (1781).

Numenius madagascariensis, *Bodd. Tabl. Pl. Enl.* p. 12 (1783); *Lath. Ind. Orn.* ii. p. 710 (1790); *Vieill. N. Dict. d'Hist. Nat.* viii. p. 308 (1817); *Gray, List Grall. Brit. Mus.* p. 93 (1844); *Bp. C. R.* xliii. p. 597 (1856); *E. Newt. Ibis*, 1863, p. 457 (Madagascar); *Schl. & Poll. Faun. Madag., Ois.* p. 133 (1868); *Sharpe, P. Z. S.* 1869, p. 571; *Gray, Hand-l. B.* iii. p. 42, no. 10244 (1871); *Hartl. Voy. Madag.* p. 323 (1877); *E. Newt. Tr. Norf. Soc.* 1889, p. 553 (Reunion; Seychelles; Rodrigues).

Numenius arquatus, *Bodd. Tabl. Pl. Enl.* p. 50 (1783); *Lath. Ind. Orn.* ii. p. 710 (1790); *Pall. Zoogr. Rosso-Asiat.* ii. p. 168 (1811); *Vieill. N. Dict. d'Hist. Nat.* viii. p. 304 (1817); *Temm. Man. d'Orn.* ii. p. 603 (1820); *Roux, Orn. Prov.* pl. 306 (1825); *Werner, Atlas*, Grallæ, pl. 5 (1827); *Brehm, Voy. Deutschl.* p. 605 (1831); *Strickl. P. Z. S.* 1836, p. 101 (Smyrna); *Naum. Voy. Deutschl.* viii. p. 478, Taf. 216 (1836); *Gould, B. Eur.* iv. pl. 302 (1837); *Bp Comp. List B. Eur. & N. Amer* p. 49 (1838); *Cresp. Orn. Gard*, p. 404 (1840); *Keys. & Blas. Wirb. Eur.* pp. lxxviii. 207 (1840); *Nordm. in Demid. Voy. Russ. Merid.* iii. p. 255 (1840); *Selys-Longch. Faun Belg.* p. 130 (1842: spring and autumn); *Schl. Rev. Crit.* p. xcv (1844); *Mühle, Beitr. Orn. Griechenl.* p. 110 (1844); *Gray, List Grall. Brit. Mus.* p. 93 (1844); *Hodgs. Icon. uned. in Brit. Mus., Grall.* 70 *a*, no. 614; *id. in Gray's Zool. Misc.* p. 86 (1844); *Rupp. Syst. Uebers.* p. 125 (1845: Lower Egypt and Abyssinian Coast, in winter); *Heuglin, Egyp. Brit. B.* ii. p. 285, pl. lxxix. (1846); *Gray, Cat. Mamm. &c. Nepal pres. Hodgs.* p. 137 (1846); *id. Gen. B.* iii. p. 589 (1847); *Blyth, Cat. B. Mus. As. Soc.* p. 268 (1849: Calcutta); *Thomps. B. Irel.* ii. p. 184 (1850: resident); *Harcourt, P. Z. S.* 1851, p. 146 (Madeira); *Reichenb. Grall* tab. lxxviii. fig. 589 (1851); *Macg. Brit. B.* iv. p. 243 (1852); *Kjærb. Danm. Fugle*, pl. xxxiii *a*. fig. 4 (1852), *Schl. Vog. Nederl.* p. 247 (1854); *Brehm, J. f. O.* 1854, p. 81 (Khartoum); *Lichtenst. Nomencl. Av. Mus. Berol.* p. 91 (1854: Germany; Arabia); *Bp. C. R.* xliii. p. 597 (1856); *Heugl.*

Syst. Uebers. p. 62 (1856); *Hartl. Orn. W.-Afr.* p. 232 (1857: Ashanti; Red Sea; Dongola; Abyssinia; Mozambique); *Grill, Zool. Anteckn.* pp. 11, 53 (1859: Knysna); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 472 (1859); *Taylor, Ibis*, 1859, p. 53 (Egypt); *Linderm. Vög. Griechenl.* p. 147 (1860); *Powys, Ibis*, 1860, p. 345 (Corfu); *Gurney, t. c.* p. 218 (Natal); *Schl. Dier. Nederl. Vogels*, pl. 22. fig. 8 (1861); *F. & P. Godman, Ibis*, 1861, p. 86 (Bodö, Norway); *Irby, t. c.* p. 240 (Oudh); *Cass. Proc. Acad. Nat. Sci. Philad.* 1862, p. 321 (Liu Kiu); *Swinhoe, Ibis*, 1863, p. 410 (Formosa); *Newton in Baring-Gould's Iceland*, p. 413 (1863: Reykjavik, Sept.); *Gray, List Brit. B.* p. 153 (1863); *Collett, Overs. Christiania Omegns ornithol. Faun.* p. 194 (1864); *Adams, Ibis*, 1864, p. 33 (Egypt); *Wright, t. c.* p. 144 (Malta, spring and autumn); *Sperling, t. c.* p. 287; *Jerd. B. Ind.* iii. p. 683 (1864); *Nordm. J. f. O.* 1864, p. 375 (Lapland); *Schl. Mus. Pays-Bas*, Scolopaces, p. 85, pt. (1864); *Gigl. Ibis*, 1865, p. 60 (Pisa); *E. Newt. t. c.* p. 150 (Rodriguez); *More, t. c.* p. 434; *Sundev. Sv. Fogl.* pl. 38. fig. 2 (1865); *Godman, Ibis*, 1866, p. 101 (Azores); *Swinhoe, t. c.* p. 137 (Formosa); *Dohrn, P. Z. S.* 1866, p. 331 (Princes Isl.); *E. C. Taylor, Ibis*, 1867, p. 70 (Egypt); *E. Newton, t. c.* p. 346 (Seychelles); *Layard, B. S. Afr.* p. 322 (1867); *Degl. et Gerbe, Orn. Eur.* ii. p. 159 (1867); *Loche, Expl. Sci. Algér. Ois.* ii. p. 331 (1867); *Baird, Ibis*, 1867, p. 282 (Iceland); *Swinhoe, t. c.* p. 391 (Amoy); *Sperling, Ibis*, 1868, p. 292 (Mozambique and Zanzibar); *Tristr. t. c.* p. 327 (Palestine); *Beavan, t. c.* p. 398 (Moulmein); *Smith, t. c.* p. 454 (Portugal); *Dyb. & Parvex, J. f. O.* 1868, p. 337 (Darasun); *Collett, Norges Fugle*, p. 57 (1868); *Chapm. Trav. S. Afr.* ii. p. 419 (1868); *Borggr. Vogelf. Norddeutschl.* p. 121 (1869); *Doderl. Avif. Sicil.* p. 180 (1869); *Gould, B. Gt. Brit.* iv. pl. 48 (1869); *Drake, Ibis*, 1869, p. 154 (Marocco); *Finsch & Hartl. Vög. Ost-Afr.* p. 736 (1870); *Blanf. Geol. & Zool. Abyss.* p. 432 (1870: coast in winter); *Elwes & Buckley, Ibis*, 1870, p. 331 (Macedonia); *Stevens. B. Norf.* ii. p. 194 (1870); *Godman, Azores*, p. 34 (1870); *Fritsch, Vög. Eur.* tab. 40. fig. 4 (1870); *Salvad. Faun. Ital., Ucc.* p. 233 (1871); *Swinh. P. Z. S.* 1871, p. 410 (China; Formosa; Hainan, in winter); *R. Gray, B. West Scotl.* p. 287 (1871); *Gray, Hand-l. B.* iii. p. 40, no. 10239 (1871); *Saunders, Ibis*, 1871, p. 389 (Southern Spain); *Gurney in Anderss. B. Dam. Ld.* p. 299 (1872: Damara and Great Namaqua Lands); *Sharpe, Ibis*, 1872, p. 74 (Nagua R., Fantee); *G. C. Taylor, t. c.* p. 232 (Ismid); *Shelley & Buckley, t. c.* p. 290 (Gold Coast); *Harting, Handb. Brit. B.* p. 53 (1872); *Holdsw. P. Z. S.* 1872, p. 474 (Ceylon); *Feilden, Zool.* 1872, p. 3248 (Faroes, autumn and winter); *Shelley, B. Egypt*, p. 243 (1872); *Garrod, P. Z. S.* 1873, pp. 34, 469, 641; *Palmén, Finlands Foglar*, p. 118 (1873); *Severtz. Turkest. Jevotn.* p. 69 (1873: migrant); *Dresser, B. Eur.* viii. p. 243, pl. 578 (1873); *Alston & Harvie-Brown, Ibis*, 1873, p. 70 (Archangel); *Brooke, t. c.* p. 340 (Sardinia, winter); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1146 (1873); *Antin. & Salvad. Viagg. Bogos*, p. 145 (1873: Massaua, Dec.); *Ussher, Ibis*, 1874, p. 74 (Gold Coast); *Buckley, t. c.* p. 388 (Matabele Country); *Saxby, B. Shetl.* p. 190 (1874); *Salvad. Ucc. Born.* p. 332 (1874); *Hume, Str. F.* iii. p. 182 (1875: Pegu); *Irby, Orn. Straits Gibr.* p. 178 (1875); *Fallon, Ois. Belg.* p. 168 (1875: migrant); *Danf. & Harvie-Brown, Ibis*, 1875, p. 424 (Transylvania); *Barratt, Ibis*, 1876, p. 213 (Potchefstroom); *Dresser, t. c.* p. 412; *Blanf. East. Pers.* ii.

p. 286 (1876); *Finsch*, *Ibis*, 1877, pp. 57, 62 (Obdorsk); *Ayres*, *t. c.* p. 350 (Transvaal); *Tacz. Bull. Soc. Zool. France*, ii. p. 158 (1877: Poland); *Reichen. J. f. O.* 1877, p. 12 (Loango Coast); *Finsch, Verhandl. z.-b. Ges. Wien*, xxix. p. 249 (1879: Obdorsk, Sept.); *Bogd. B. Cauc.* p. 156 (1879); *Bocage, Orn. Angola*, p. 461 (1881: Rio Coroca; Chinchonxo); *W. A. Forbes, P. Z. S.* 1881, p. 644 (anatomy); *Salvin, Cat. Strickl. Coll.* p. 616 (1882: Southampton; Madras; S. Africa); *Butler, Feilden, & Reid, Zool.* 1882, p. 494 (Umgeni R., Dec.); *Kelham, Ibis*, 1882, p. 10 (Malay Peninsula); *Seebohm, t. c.* p. 224 (Astrakhan, migrant), p. 382 (Archangel); *id. Ibis*, 1883, p. 20 (Caucasus, breeding on the Steppes); *Irby, t. c.* p. 186 (Santander, May, June, November); *B. O. U. List Brit. B.* p. 179 (1883); *Oates, Handb. B. Brit. Burm.* ii. p. 412 (1883); *Saunders, ed. Yarrell's Brit. B.* iii. p. 490 (1883); *Chapman, Ibis*, 1884, p. 99 (Spain, throughout the winter); *Saunders, t. c.* p. 380 (Pyrenees); *Murray, Vertebr. Faun. Sind*, p. 247 (1884); *Tristr. Faun. & Flor. Palest.* p. 134 (1884); *Bogd. Consp. Av. Imp. Ross.* p. 81 (1884); *Radde, Orn. Cauc.* pp. 45, 436 (1884: 6300 feet, breeding); *Sharpe, ed. Layard's B. S. Afr.* p. 682 (1884); *Vorderm. N. T. Nederl. Ind.* xliv. p. 204 (1884: Java); *Zarudn. Bull. Mosc.* 1885, p. 328 (Plain of Téké); *Seebohm, Hist. Brit. B.* iii. p. 94 (1885); *Whitehead, Ibis*, 1885, p. 43 (Corsica, winter); *Dixon, t. c.* p. 85 (St. Kilda); *Swinhoe & Barnes, t. c.* p. 134 (Mhow Distr.); *Reid, t. c.* p. 253 (Morocco, winter); *Gigl. Arif. Ital.* p. 407 (1886); *Verbury, Ibis*, 1886, p. 21 (Aden); *Sharpe, t. c.* p. 492 (Fao, July to March); *Salvad. Elenco Vec. Ital.* p. 220 (1886); *Seebohm, Ibis*, 1887, p. 182 (Liu Kiu Islands); *Tait, t. c.* p. 383 (Portugal, autumn and spring); *Harvie-Brown & Buckley, Vertebr. Faun. Sutherl., Caithn., & W. Cromarty*, p. 226 (1887); *iid. Vertebr. Faun. Outer Hebr.* p. 138 (1888); *Seebohm, Geogr. Distr. Charadr.* p. 322 (1888); *Parker, Ibis*, 1888, p. 217 (anatomy); *Seebohm, t. c.* pp. 236, 416; *Shelley, t. c.* p. 306 (Lamu, Nov.); *Chapman, t. c.* p. 445 (Spain, winter); *Irby, Key List Brit. B.* p. 49 (1888); *Koenig, J. f. O.* 1888, p. 276 (Tunis); *Saunders, Man. Brit. B.* p. 611 (1889); *Lilford, Ibis*, 1889, p. 342 (Cyprus); *Reichen, Syst. Voy. Deutschl.* p. 46 (1889); *Gigl. Arif. Ital.* 1st *Resoc.* p. 621 (1889), 2nd *Resoc.* p. 656 (1890), 3rd *Resoc.* p. 514 (1891); *Brusina, Mitr. etc. (Orn. Croat.)* p. 92 (1890); *W. Evans, Ibis*, 1891, p. 81 (incubation); *Lilford, Col. Fig. Brit. B.* pt. xix. (1891); *Madarász, Erlaut. Anat. Ungar. Vogelf.* p. 107 (1891); *Frivaldsky, Aves Hung.* p. 137 (1891); *Reiser, Vogels. Mus. Sarajevo*, p. 119 (1891); *Gätke, Vogelw. Helgol.* p. 473 (1891); *Buckley & Harvie-Brown, Vertebr. Faun. Orkneys*, p. 224 (1891); *iid. Argyll & Inner Hebr.* p. 184 (1892); *Vorderm. N. T. Nederl. Ind.* li. p. 406 (1892: Cheribon); *Fatio & Studer, Cat. distr. Ois. Suisse*, p. 46 (1892); *Macphers. Vertebr. Faun. Lakel.* p. 406 (1892); *Dutcher, Auk*, ix. p. 330 (1892: Long Isl.); *Seebohm, Ibis*, 1892, p. 22 (Heligoland); *Hartert, t. c.* p. 514 (East. Prussia); *Barnes, Ibis*, 1893, pp. 171, 181 (Aden); *Meade-Waldo, t. c.* p. 205 (Canary Islands); *Reichen. Jahrb. Hamburg. Wissensch. Anst.* x. p. 7 (1893: Zanzibar); *id. Vog. Deutsch-Ost-Afr.* p. 43 (1894); *Irby, Orn. Str. Gibr.* 2nd ed. p. 280 (1895).

Common Curlew, *Lath. Gen. Syn.* iii. pt. 1, p. 119 (1785); *Yarrell, Brit. B.* ii. p. 510 (1843).

Madagascar Curlew, *Lath. Gen. Syn.* iii. pt. 1, p. 119 (1785).

Numenius major, *Stephens in Shaw's Gen. Zool.* xii. pt. 1, p. 26 (1824); *Sharpe, Ibis*, 1886, p. 108 (Muscat).

Numenius virgatus, *Cuv. Règne Anim.* i. p. 521 (1829: Cape).

Numenius lineatus, *Cuv. Règne Anim.* i. p. 521 (1829: India); *Blyth, Ibis*, 1867, p. 167; *Hume, Str. F.* i. p. 237 (1873: Sind); *Adam, t. c.* p. 396 (Sambhur); *Hayes Lloyd, Ibis*, 1872, p. 417 (Kathiawar); *Tacz. J. f. O.* 1873, p. 103; 1874, p. 336; *Hume, Str. F.* ii. p. 296 (1874: Andamans, Aug. to April); *Blyth & Wald. B. Burm.* p. 155 (1875: Arakan, Kyasoo Creek); *Butler & Hume, Str. F.* iv. p. 16 (1876); *Armstrong, t. c.* p. 341 (Rangoon); *Hume, t. c.* p. 464 (Laccadives); *Tacz. Bull. Soc. Zool. France*, i p. 255 (1876); *Hume & Davison, Str. F.* vi. p. 460 (1878); *Davidson & Wenden, Str. F.* vii. p. 89 (1878: Deccan); *Hume, op. cit.* viii. p. 112 (1879); *Scully, t. c.* p. 356 (Nepal Valley); *Tiraut, Bull. Comité Agric. et Industr. Cochinchine*, (3) i. p. 156 (1879); *Butler, Cat. B. Sind etc.* p. 62 (1879: winter); *id. Cat. B. S. Bomb. Pres.* p. 76 (1880: winter visitant); *Legge, B. Ceylon*, p. 906 (1880); *Blakiston, Amended List B. Jap.* p. 39 (1884); *Seebohm, Ibis*, 1884, p. 34 (Japan), p. 268 (Kiukiang); *Hume, Str. F.* xi. p. 322 (1888: Manipur); *Everett, Journ. Straits Branch As. Soc.* 1889, p. 208 (Borneo); *Whitehead, Ibis*, 1890, p. 59 (Palawan); *Styan, Ibis*, 1891, pp. 331, 508 (Lower Yangtse, winter); *De la Touche, Ibis*, 1892, p. 501 (Foochow and Swatow, winter); *Hartl. Abhandl. nat. Ver. Bremen*, xii. p. 299 (1893: Hainan); *Styan, Ibis*, 1893, p. 437 (Hainan).

Numenius medius, *Brehm, Vög. Deutschl.* p. 609 (1831); *id. Naumannia*, 1855, p. 291.

Numenius orientalis, *Brehm, Vög. Deutschl.* p. 610 (1831).

Numenius nasicus, *Temm. Man. d'Orn.* iv. p. 393 (1840).

Cracticornis arquata, *Gray, List Gen.* p. 88 (1841).

Numenius arquatula, *Hodgs. Icon. ined. in Brit. Mus., Grall. App.* tab. 45, no. 615; *id. in Gray's Zool. Misc.* p. 86 (1844); *Gray, Cat. Mamm. &c. Nepal pres. Hodgs.* p. 137 (1846).

? Numenius hudsonicus (*nec Lath.*), *Brehm, J. f. O.* 1854, p. 81.

Numenius assimilis, *Brehm, Naumannia*, 1855, p. 291.

Numenius rufescens (*nec Gould*), *Brehm, Naumannia*, 1855, p. 291.

Numenius longirostris, *Brehm, Naumannia*, 1855, p. 291.

Numenius tenuirostris (*nec V.*), *Heugl. Syst. Uebers.* p. 62 (1856); *id. Ibis*, 1859, p. 347 (Red Sea; Gulf of Suez; Arabia Petræa; Massaua, Aug.; Gulf of Aden, Oct. to Dec.).

Numenius cassini, *Swinhoe, Ibis*, 1867, p. 398.

Numenius arquatus, var. madagascariensis, *Milne-Edwards & Grandidier, Hist. Nat. Madagasc., Ois.*, p. 619, pl. cclv. (1882).

Numenius arquatus lineatus, *Seebohm, Geogr. Distr. Charadr.* p. 324 (1888); *id. B. Japan. Emp.* p. 314 (1890); *Berez. & Bianchi, Aves Gan-su*, p. 4 (1891); *Tacz. Faun. Orn. Sibér. Orient.* pt. ii. p. 938 (1893).

Numenius arquatus madagascariensis, *Sibree, Ibis*, 1892, p. 115 (Madagascar).

Adult male in breeding-plumage. General colour above brown, with longitudinal black centres to the feathers imparting a broadly striped appearance, the feathers of the upper surface being notched with ashy or rufous, giving to many of the scapulars a somewhat barred appearance; wing-coverts dark brown, edged with whity brown, the median and greater series also chequered with the latter colour, imparting a somewhat barred appearance to this part of the wing; bastard-wing, primary-coverts, and primaries blackish, externally glossed with bottle-green, the primary-coverts slightly tipped with white, the shafts of the outer primaries white, those of

the inner ones brown, the primaries notched or barred, on the inner web only, with sandy buff or whitish, the inner primaries being thus marked on both webs, the secondaries distinctly barred with brown and white, both webs being deeply notched with ashy whitish, the innermost secondaries ashy brown with dusky brown cross bars, the centre of the feathers being also dusky brown; lower back and rump pure white with black longitudinal spots or streaks, a little more distinct on the rump; the upper tail-coverts barred with black and white or with sagittate sub-terminal spots, the longer ones tinged with sandy buff and the brown bars often not coterminous; tail white or slightly tinged with sandy buff, or shaded with ashy brown and crossed with nine or ten rather broad bars of blackish brown; head dark brown, the feathers edged with sandy buff, giving a streaked appearance; the neck more ashy, streaked with brown; over the eye a white streak, narrowly lined with black; sides of face and sides of neck, throat, and chest pale sandy buff streaked with blackish brown, more narrowly on the sides of the face; chin and upper throat white; breast, abdomen, sides of body, thighs, and under tail-coverts white, streaked with dark brown on the breast, and very narrowly on the abdomen and under tail-coverts; thighs unstreaked; sides of body with distinct bars or sagittate markings of dark brown; under wing-coverts and axillaries pure white, mottled with blackish centres to the feathers, the axillaries more or less regularly barred with blackish or with a sub-terminal heart-shaped spot; lower primary-coverts and quills below ashy grey with white notches to the inner webs: "bill fleshy brown, shading into dark brown towards the tip; feet dusky; iris brown" (*G. E. Shelley*). Total length 21 inches, culmen 4·75, wing 11, tail 4·25, tarsus 2·9.

Adult female in breeding-plumage. Similar to the male, but larger, and with a longer bill. Total length 24 inches, culmen 6·1, wing 12, tail 5·7, tarsus 3·2.

Adults in winter plumage. Very similar to the breeding-plumage, but paler, and much less heavily striped, especially on the under surface of the body; the black spots and streaks on the rump scarcely apparent, and concealed by the white plumage; upper tail-coverts white, with very few brown cross-bars; tail white, barred with brown: "feet pale leaden grey, claws blackish; bill blackish brown, flesh-colour at the base of the lower mandible" (*A. O. Hume*).

There is evidently a spring moult, but whether partial or entire I have not been able to determine. The breeding-plumage is gained by a widening of the longitudinal centres to the feathers, of which the pattern changes on several portions of the body. Such parts as the rump and the abdomen and under tail-coverts have scarcely any visible streaks, but these appear with the summer plumage, and these streaks are gained by a change of the feather. The sides of the body change from a streaked to a barred appearance, this being effected by a preliminary widening of the brown centres to the feathers which develop into bars without any direct moult. The innermost secondaries, at the autumn moult, seem to be entirely uniform, and the bars make their appearance gradually.

Young. Differs from the adult in being much more tawny, and, as Mr. Seebohm has pointed out, young birds may always be distinguished from the old ones by the much lighter patterns of the notches and bars on the innermost secondaries, these markings being tawny buff, and the black centres to the feathers being much broader.

I have united the Indian Curlew (*Numenius lineatus*) with *N. arquatus*, because the only character for its separation is the white lower back, without streaks or spots. This is a sign of winter or young plumage in *N. arquatus*; and many Eastern birds are also found with black streaks and spots, for the simple reason that these are concealed at first under the white plumage, and are merely represented by shaft-lines. The latter, as the breeding-season approaches, become wider and more distinct, and are often assumed quite early in the year. Thus a male shot by Colonel Irby in January is nearly in full breeding-plumage.

On the whole the Eastern birds seem to have rather longer bills, but even these are approached by some European and African specimens, and the reason for the occurrence of long-billed examples in India and other parts of Southern Asia is, to a great extent, accounted for by the curious fact that they are nearly all old birds. As will be seen by the list of specimens given below, the immature birds from the Eastern part of the Curlew's range are exceedingly few in number.

Hab. Europe generally, wintering in Africa, as far south as the Cape Colony and in Madagascar. In Asia it extends as far as Lake Baikal, and winters in the Indian Peninsula. Accidental in N. America.

a. Juv. st.	Ballynakuick, Ireland.	C. Coningham, Esq. [P.].
b. ♂ ad. sk.	Dunglow, Co. Donegal, Jan. 14.	Colonel Irby [P.].
c. ♂ ad. sk.	Orkney Islands, March 14 (*Dunn*).	Seebohm Coll.
d. Pull. st.	Orkney Islands.	Mr. Baker [C.].
e, f. Ad. st.	Beauly Castle, N.B.	Lord Lovat [P.].
g, h, i. ♂ ad. sk.	Beauly Castle, N.B., May, June.	Lord Lovat [P.].
k. ♂ ad. st. [group].	Beauly Castle, N.B., June.	Lord Lovat [P.].
l. ♀ ad. st.	Cambridgeshire.	Mr. J. Baker.
m. ♂ juv sk.	Cookham, Berks, June (*R. B. S.*).	Tweeddale Coll.
n. ♀ juv. sk.	Romney Marsh, Kent, Sept. 7.	Dr. R. B. Sharpe [P.].
o, p. ♀ ad. et juv. st.	Pagham, Sussex.	Dr. R. B. Sharpe [P.].
q. Juv. sk.	Pagham, Sept.	Dr. R. B. Sharpe [P.].
r. ♂ juv.; *s.* ♀ juv. sk.	Pagham, Aug.	Shelley Coll.
t. ♂ juv. sk.	Pagham, Sept. (*R. B. S.*).	Tweeddale Coll.
u. ♀ ad. sk.	Pagham Harbour, Sept. 22 (*J. E. Harting*).	Seebohm Coll.
v. ♂ ad. sk.	Devonshire.	Montagu Coll.
w, x. ♀ ad. sk.	St. Bride's, S. Wales, Jan. 4.	Hon. W. Edwardes [P.].

y. Ad. sk.	Bodö, Norway (*F. D. Godman*).	Salvin-Godman Coll.
z, *a'*. ♂ ad.; *b'*. ♀ ad. sk.	Kiliki, Hungary, Oct. (*Kunszt*).	Hungarian National Museum [P.].
c'. Ad. sk.	Arcachon, France, Nov. 25.	Seebohm Coll.
d'. Ad. sk.	Morocco (*Olcese*).	Seebohm Coll.
e'. Imm. st.	Athens.	Consul Merlin [P.].
f'. ♀ imm. sk.	Obdorsk, W. Siberia, Sept. (*O. Finsch*).	Geogr. Soc. Bremen.
g'. ♂ ad. sk.	Mesopotamia (*Commander Jones*).	India Museum.
h'. ♀ ad. sk.	River Tigris (*Commander Jones*).	India Museum.
i', *k'*. ♀ ad. sk.	Fao, Persian Gulf.	W. D. Cumming, Esq. [P.].
l'. ♀ juv. sk.	Muscat.	Colonel Mills [P.].
m, *n'*. Ad. sk.	Fayoom, Egypt, Feb. (*G. E. S.*).	Shelley Coll.
o', *p'*. ♂ ♀ ad. sk.	Zoulla, Annesley Bay, Jan. 15.	W. T. Blanford, Esq. [P.].
q'. Juv. sk.	Nagua River, Fantee (*H. T. Usher*).	Shelley Coll.
r'. ♀ ad. sk.	Ambriz, Angola, Dec.	Monteiro Coll.
s'. ♀ ad. sk.	Rio Coroca, Benguela (*Anchieta*).	Shelley Coll.
t'. ♀ ad. sk.	Walfisch Bay (*C. J. Andersson*).	Seebohm Coll.
u', *v'*. ♀ imm. sk.	Durban, Natal (*Gordge*).	Shelley Coll.
w'. ♀ ad. sk.	Natal (*T. L. Ayres*).	Seebohm Coll.
x'. ♀ juv. sk.	Potchefstroom.	F. A. Barratt, Esq. [P.].
y'. ♀ juv. st.	South Africa.	Sir A. Smith [P.].
z. Ad. sk.	South Africa.	J. Gould, Esq.
a''. ♂ imm. sk.	Cape Colony.	Seebohm Coll.
b''. Ad. sk.	Afghanistan (*Griffith*).	India Museum.
c'', *f''*. Ad. sk.	Sirsa Distr., Nov.	Hume Coll.
g'', *h''*. ♀ ad. sk.	Mooltan, Dec. (*A. O. H.*).	Hume Coll.
i'', *m''*. ♀ ad. sk.	River Jhelum, Nov. 20 (*A. O. H.*).	Hume Coll.
n'' ♂ ad.; *o''*, *p''*. ♀ ad. sk.	Chenab River, Dec. 9 (*A. O. H.*).	Hume Coll.
q'' Ad. sk.	Hydrabad, Sind, Dec.	Seebohm Coll.
r'' ♂ ad. sk.	Karachi, Dec. 15 (*A. O. H.*).	Hume Coll.
s'' Ad. sk.	Kathiawar, Oct. 16.	Col. Hayes Lloyd [P.].
t'', *u''*. Ad. et juv. sk.	Sambhur Lake, Dec., March (*A. O. H.*).	Hume Coll.
v'', *w''*. ♀ ad. sk.	Sambhur Lake, Feb., Dec. (*R. M. Adam*).	Hume Coll.
x'', *y''* Ad. sk.	Dehra Dhoon.	Hume Coll.
z'', *a'''* ♀ ad. sk.	Gurgaon Distr., Oct., Dec. (*W. N. Chill*).	Hume Coll.
b''', *c'''*, *d'''*, *e'''* ♀ ad. sk.	Allahabad, Feb. 23 (*A. O. H.*).	Hume Coll.
f''', *g'''*, *h'''* Ad. sk.	Etawah, Nov.	Hume Coll.
i''' Ad. sk.	Eta, Putiala, Feb. 26 (*A. Anderson*).	Seebohm Coll.

i^3. Ad. sk.	Oudh, Dec.	Hume Coll.
k^3. Ad. sk.	Oudh.	Pinwill Coll.
l^3. ♀ ad. sk.	Shahjehanpur, Aug. 25 (*A. Anderson*).	Seebohm Coll.
m^3. ♂ ad. sk.	Futtehgurh, Nov. 12 (*A. Anderson*).	Hume Coll.
n^3, o^3. ♀ ad. et ♂ juv. sk.	Nepal.	Hodgson Coll. (Types of *N. arquatula*.)
p^3. ♀ juv. sk.	Nepal Valley, Oct. 2 (*J. Scully*).	Hume Coll.
q^3. Ad. sk.	Darjeeling (*Pearson*).	India Museum.
r^3. ♀ ad. sk.	Laccadive Islands, Feb. 18 (*A. O. H.*).	Hume Coll.
s^3. ♂ ad. sk.	Calcutta (*J. Biddulph*).	Tweeddale Coll.
t^3, u^3. ♂ ad.; v^3, w^3, x^3. ♀ ad. sk.	Calcutta, Dec. to March (*A. O. H.*).	Hume Coll.
y^3. ♀ ad. sk.	Aberdeen, S. Andamans (*F. A. de Roepstorff*).	Hume Coll.
z^3, a^4. ♂ ♀ ad. sk.	Port Blair.	Hume Coll.
b^4, c^4. ♂ ♀ imm. sk.	South Andaman, Aug., Sept.	Hume Coll.
d^4. ♂ ad. sk.	Trinkut Isl., Nicobars, Feb. 7 (*R. J. Wimberley*).	Tweeddale Coll.
e^4. ♂ ad. sk.	Kyasoo Creek, Burma, Oct. (*R. G. W. R.*).	Tweeddale Coll.
f^4, g^4. ♀ ad. sk.	Lower Pegu (*E. W. Oates*).	Oates Coll.
h^4. ♂ ad. sk.	Eastern Grove, Burma, Feb. 14 (*J. Armstrong*).	Hume Coll.
i^4. ♀ ad. sk.	Deserter's Creek, Burma, Jan. 3 (*J. Armstrong*).	Hume Coll.
k^4. ♀ ad. sk.	Sittang River, Tenasserim, Feb. 14 (*W. Davison*).	Hume Coll.
l^4. ♂ ad.; m^4, n^4. ♀ ad. sk.	Tavoy River, May (*W. Davison*).	Hume Coll.
o^4. ♀ ad. sk.	Amherst, Dec. 16 (*W. Davison*).	Hume Coll.
p^4, q^4. ♂ ♀ ad. sk.	Mergui, Nov. (*W. Davison*).	Hume Coll.
r^4. ♀ ad. sk.	Tonka, Dec. 13 (*J. Darling*).	Hume Coll.
s^4, t^4. Imm. sk.	Penang (*Dr. Cantor*).	India Museum.
u^4. Ad. sk.	Malacca (*Dr. Cantor*).	India Museum.
v^4, w^4. Ad. et juv. sk.	Malacca (*Dr. Maingay*).	Tweeddale Coll.
x^4. ♀ ad. sk.	Amoy, China, Dec. 25 (*R. Swinhoe*).	Tweeddale Coll.
y^4–b^5. ♂ ♀ ad. sk.	Amoy, Jan., Feb., Oct., Dec. (*R. S.*).	Seebohm Coll.
c^5. ♀ ad. sk.	Formosa, Feb. (*R. S.*).	Seebohm Coll.
d^5, e^5. ♂ ♀ ad. sk.	Nagasaki, Japan.	F. Ringer, Esq. [P.].
f^5–i^5. Ad. et juv. sk.	Yokohama (*H. Pryer*).	Seebohm Coll.
k^5, l^5. Skeletons.	England.	Purchased.
m^5. Bones of trunk.	Nepal.	Hodgson Coll.

2. Numenius tenuirostris.

Numenius tenuirostris, *Vieill. N. Dict. d'Hist. Nat.* viii. p. 302 (1817); *Roux, Orn. Prov.* pl. 308 (1825); *Bp. Icon. Faun. Ital.* fasc. iii. tav. 42 (1833); *Naum. Vög. Deutschl.* viii. p. 527, Taf. 218 (1836); *Temm. Man. d'Orn.* iv. p. 394 (1840); *Werner, Atlas*, pl. 469; *Crespon, Orn. Gard*, p. 407 (1840); *Keys. & Blas.*

Wirb. Eur. pp. lxxviii, 78 (1840); *Nordm. in Démid. Voy. Russ. Mérid.* iii. p. 256 (1840); *Schl. Rev. Crit.* p. xcv (1844); *Mühle, Beitr. Orn. Griechenl.* p. 110 (1844); *Gray, Gen. B.* iii. p. 560, pl. cliii. (1847); *Licht. Nomencl. Av. Mus. Berol.* p. 91 (1854); *Bp. C. R.* xliii. p. 597 (1856); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 308 (1859); *Salvin, t. c.* p. 359 (Tunis); *Tristr. Ibis*, 1860, p. 80 (Biskra); *Powys, t. c.* p. 345 (Corfu, Sept.); *Linderm. Vög. Griechenl.* p. 147 (1860); *Schl. Mus. Pays-Bas*, Scolopaces, p. 92 (1864); *Wright, Ibis*, 1864, p. 145 (Malta); *Gigl. Ibis*, 1865, p. 60 (Pisa); *Bree, B. Eur.* iv. p. 54, cum tab. (1867); *Degl. et Gerbe, Orn. Eur.* ii. p. 160 (1867); *Loche, Expl. Sci. Algér., Ois.* ii. p. 335 (1867); *Smith, t. c.* p. 454 (Portugal); *Borggr. Vogelf. Norddeutschl.* p. 121 (1869); *Doderl. Avif. Sicil.* p. 182 (1869); *Elwes & Buckley, Ibis*, 1870, p. 331 (Dobrudscha); *Saunders, Ibis*, 1871, p. 389 (Spain); *Salvad. Faun. Ital., Ucc.* p. 224 (1871); *Gray, Hand-l. B.* iii. p. 42, no. 10241 (1871); *Dresser, B. Eur.* viii. p. 237, pl. 577 (1871); *Shelley, B. Egypt*, p. 245 (1872); *Heugl. Orn. N.O.-Afr.* ii. Abth. i. p. 1149 (1873: North coast of Egypt); *Brooke, Ibis*, 1873, p. 340 (Sardinia); *Irby, Orn. Str. Gibr.* p. 179 (1875: spring and autumn); *Fallon, Ois. Belg.* p. 167 (1875); *Danf. & Harvie-Brown, Ibis*, 1875, p. 424 (Transylvania); *Seebohm, Ibis*, 1882, p. 224 (Astrakhan, autumn); *Boyd. Cmap. Ar. Imp. Russ.* p. 83 (1884); *Reid, Ibis*, 1885, p. 253 (Morocco, winter); *Zarudn. Bull. Mosc.* 1885, p. 328 (Plain of Tsike); *Gigl. Arif. Ital.* p. 408 (1886); *Salvad. Elenco Uce. Ital.* p. 230 (1888); *Tait, Ibis*, 1887, p. 303 (Portugal); *Salvad. Ibis*, 1888, p. 321; *Seebohm, Geogr. Distr. Charadr.* p. 325 (1888); *Lilford, Ibis*, 1889, p. 342 (Cyprus); *Gigl. Arif. Ital.* 1st Resoc. p. 623 (1889), 2nd Resoc. p. 656 (1890), 3rd Resoc. p. 514 (1891); *Heine & Reichen. Nomencl. Mus. Hein.* p. 325 (1890); *Gätke, Vogelw. Helgol.* p. 476 (1891); *Seebohm, Ibis*, 1892, p. 22 (Heligoland); *Fatio & Studer, Cat. distr. Ois. Suisse*, p. 40 (1892); *Graaf, Ibis*, 1893, p. 150 (Spaarndam, N. Holland, Dec.); *Irby, Orn. Str. Gibr.* 2nd ed. p. 280 (1895).

Numenius syngenicus, *Mühle, Beitr. Orn. Griechenl.* p. 14 (1844); *Gray, Gen. B.* iii. p. 560 (1847); *Linderm. Vog. Griechenl.* p. 147 (1860).

Adult male in breeding-plumage. Similar to *N. arquatus*, but readily distinguished by its smaller size; the lower back and rump always pure white, with no black spots or streaks; the upper tail-coverts with longitudinal black centres, very distinct; the tail always white, with no ashy or buff shade, and distinctly barred across with dark brown. A white eyebrow is generally visible and the nape and hind-neck are also more or less whitish, forming in some specimens an indication of a pale collar. Total length 16 inches, culmen 2·75, wing 9·7, tail 3·5, tarsus 2·4.

Adult female. Similar to the male and only slightly larger. Total length 16 inches, culmen 3·5, wing 9·9, tail 3·9, tarsus 2·4.

Adult in winter plumage. Similar to the summer plumage, but rather more sandy rufous in tone and with fewer streaks and spots of black on the rump; the under surface longitudinally streaked and spotted, but the streaks much narrower and the spots less heart-shaped.

Young. Similar to the winter plumage of the adults, but always to be distinguished by the light notches on both webs of the innermost secondaries.

Hab. Countries of the Mediterranean, ranging occasionally into Central Europe.

a, *b*. Ad. sk.	Rome (*E. C. Taylor*).	Seebohm Coll.
c. ♂ ad. sk.	Sicily.	Seebohm Coll.
d. ♂ ad. sk.	Sicily (*Doderlein*).	Tweeddale Coll.
e. ♀ ad. sk.	Sicily (*Doderlein*).	Seebohm Coll.
f. ♂ ad. sk.	Palermo.	Tweeddale Coll.
g. ♂ ad. sk.	Malta, April 9 (*C. A. Wright*).	Tweeddale Coll.
h. ♀ juv. sk.	Malta, Sept. (*C. A. W.*).	Tweeddale Coll.
i, *k*. Ad. st.	Guelma, Algeria.	Purchased.
l. ♀ ad. sk.	El Djen, Tunis, Feb. 28 (*O. Salvin*).	Salvin-Godman Coll.
m. ♀ juv. sk.	Asia Minor, Dec. 17 (*T. Robson*).	Salvin-Godman Coll.
n. ♂ ad. sk.	Ismid, Asia Minor, April 1 (*T. Robson*).	Seebohm Coll.
o. ♂ ad. sk.	Egypt (*Birkbeck*).	Seebohm Coll.

3. Numenius cyanopus.

Numenius cyanopus, *Vieill. N. Dict. d'Hist. Nat.* viii. p. 306 (1817: Australia); *Gray, List Grall. Brit. Mus.* p. 93 (1844); *id. Gen. B.* iii. p. 569 (1847); *Bp. C. R.* xliii. p. 597 (1856); *Gould, Handb. B. Austr.* ii. p. 277 (1865); *Gray, Hand-l. B.* iii. p. 42, no. 10242 (1871); *Cab. & Reichen. J. f. O.* 1876, p. 32*i*; *Buller, Trans. N. Z. Inst.* ix. p. 333 (1877); *Haast, t. c.* p. 427 (Kaiapoi Bay, April; Ashley River, June); *Sharpe, Journ. Linn. Soc., Zool.* xiii. p. 320 (1877: Yule Isl., S.E. New Guinea); *Ramsay, P. Z. S.* 1877, p. 339 (Queensland); *id. Proc. Linn. Soc. N. S. W.* i. p. 190 (1877); *Cast. & Ramsay, t. c.* p. 385 (Norman R.); *Ramsay, op. cit.* ii. p. 198 (1878), iii. p. 296 (1879: Port Moresby), iv. p. 101 (1880: S. Cape and Louisiades); *Salvad. Ann. Mus. Genov.* xviii. p. 330 (1882); *id. Orn. Papuasia etc.* iii. p. 330 (1882); *Blakist. Amended List B. Jap.* p. 12 (1884: Yezo and Japan generally); *Stejn. Bull. U.S. Nat. Mus.* no. 29, p. 317 (1885: Kamtchatka); *Gigl. & Salvad. P. Z. S.* 1887, p. 588 (Corea, Aug., Oct.); *Seebohm, Geogr. Distr. Charadr.* p. 326 (1888); *Tacz. P. Z. S.* 1888, p. 459 (Corea); *Ramsay, Tab. List Austr. B.* p. 20 (1888: the whole of Australia except the N.W.); *Everett, Journ. Straits Branch As. Soc.* 1889, p. 210; *Seebohm, B. Japan. Emp.* p. 315 (1890); *Salvad. Agg. Orn. Papuasia etc.* iii. p. 204 (1891); *De la Touche, Ibis*, 1892, p. 501 (Foochow, Oct.; Swatow, spring); *Tacz. Mém. Acad. Imp. St. Pétersb.* (7) xxxix. p. 940 (1893).

Numenius australis, *Gould, P. Z. S.* 1837, p. 155; *id. B. Austr.* vi. pl. 42 (1848); *Reichenb. Vög. Neuholl.* p. 198, no. 532 (1850) *id. Grall., Novit.* tab. xcvii. fig. 2824 (1851); *Macgill. Narr. Voy Rattlesn.* ii. p. 358 (1852: N.E. Coast Austr. and Torres Straits); *Gray, P. Z. S.* 1858, p. 197 (N. Austr.); *id. Cat. Mamm. & B. New Guin.* p. 62 (1859); *Schrenck, Reis. Amurl.* p. 426 (1859); *Swinh. Ibis*, 1863, p. 79 (N. China); *id. P. Z. S.* 1863, p. 318 (Pekin, Aug.); *Radde, Reis. Sibir., Vög.* p. 338 (1863); *Schl. Mus. Pays-Bas*, Scolopaces, p. 90 (1864: Japan; Amboina; Bouru; Australia; Tasmania); *Pelz. Reis. Novara, Vög.* p. 128 (1865: Australia); *Salvad. Ucc. Born.* p. 333 (1874); *Swinh. Ibis*, 1876, p. 334 (Hakodadi); *Blakist. & Pryer, Ibis*, 1878, p. 222; *Sharpe, Ibis*, 1879, p. 271 (Lumbidan); *Meyer, Verh. z.-b. Ges. Wien*,

xxxi. p. 767 (1881: Sumba); *Blakist. & Pryer, B. Jap.* p. 115 (1882: Yezo; Eturop; Yokohama); *Bogd. Cmsp. Av. Imp. Ross.* p. 82 (1884: Bering Isl.; Kamtchatka); *Seebohm, Ibis*, 1884, p. 34; *Tacz. Bull. Soc. Zool. France*, 1885, p. 475.

Numenius major (*nec Steph.*), *Temm. & Schl. Faun. Jap.* p. 110, pl. 66 (1850); *Reichenb. Grall. Novit.* tab. lvi. fig. 2564 (1851); *Swinh. Ibis*, 1861, p. 343 (Pekin); *id. P. Z. S.* 1863, p. 318 (S. China; Formosa, winter); *id. Ibis*, 1870, p. 334 (Hakodadi); *Blakist. & Pryer, B. Jap.* p. 115 (1882: Hakodadi); *Vorderm. N. T. Nederl. Ind.* xliv. p. 204 (1884: Java), xlix. p. 416 (1889: Sumatra).

Numenius rostratus, *Licht., teste Bp. C. R.* xliii. p. 597 (1856).

Numenius australasianus, *Gray, P. Z. S.* 1860, p. 364 (E. Gilolo); *Finsch, Neu-Guinea*, p. 182 (1865).

Numenius rufescens, *Gould, P. Z. S.* 1862, p. 286 (Formosa); *Swinh. Ibis*, 1863, p. 410; *id. P. Z. S.* 1863, p. 318 (N. Formosa, breeding); *Gould, B. Asia*, vii. pl. 60 (1864); *Gray, Hand-l. B.* iii. p. 42, no. 10243 (1871); *Dresser, B. Eur.* viii. p. 245 (1873).

Numenius tahitiensis (*nec Gm.*), *Swinh. P. Z. S.* 1871, p. 410 (Pekin; Formosa); *Tacz. J. f. O.* 1873, p. 104 (E. Siberia); *id. Bull. Soc. Zool. France*, i. p. 254 (1876); *David & Oust. Ois. Chine*, p. 458 (1877).

Adult female in breeding-plumage. Similar to *N. arquatus* and of the same size, but distinguished by the dark lower back and rump and the regular barring of the axillaries and under wing-coverts. The general appearance is more fulvous; the under surface is tinged with vinous buff all over; the lower back and rump are sandy buff with blackish-brown centres to the feathers, thus greatly resembling the rest of the back; the upper tail-coverts barred with blackish brown and sandy buff or white: "bill black, flesh-coloured at the base of the lower mandible; feet bluish grey; iris dark brown" (*L. Taczanowski*). Total length 24 inches, culmen 7·2, wing 12·5, tail 4·6, tarsus 3·46.

Adult male. In this species the difference in size between the sexes is not so apparent as in some of the allied ones. Total length 21 inches, culmen 6·8, wing 11·9, tail 4·3, tarsus 3·2.

Young. Much more tawny than the adults and having tawny-buff bars or notches on the innermost secondaries; the streaks on the under surface very fine and narrow.

Adults in winter plumage do not differ very much from the summer plumage, but the under surface is much less distinctly streaked; the upper surface is very similar at both times of year.

Hab. Breeds in Eastern Siberia, and winters as far south as Australia.

a. Ad. sk.	Upper Usuri, April 4 (*Jankovsky*).	Seebohm Coll.
b, c. Ad. sk.	Nagasaki, Japan, May.	F. Ringer, Esq. [P.]
d, e, f. Imm. sk.	Yokohama, Japan (*H. Pryer*).	Seebohm Coll.
g. ♂ juv. sk.	Hakodadi, Sept. 25 (*H. Whitely*).	Gould Coll.
h, i. ♂ ad. sk.	Negros, Philippine Isl., Feb.	E. L. Moseley, Esq. [C.]
k. Ad. sk.	Dumaguete, Feb.	E. L. Moseley, Esq. [C.]

l, m. Ad. sk.	Labuan, Nov., Dec.	A. H. Everett, Esq. [C.].
n, o. Ad. sk.	Halmahera (*A. R. Wallace*).	Tweeddale Coll.
p. ♂ ad. sk.	Yule Isl., S.E. New Guinea, Dec. (*Dr. James*).	Tweeddale Coll.
q. Ad. st.	Australia.	J. B. Jukes, Esq. [P.].
r. Ad. sk.	Australia.	Gould Coll.
s. ♀ ad. sk.	Australia.	Seebohm Coll.
t, u. Ad. sk.	Port Essington.	Capt. Chambers [P.]. (Type of *N. australasianus*.)
v. Ad. sk.	Queensland.	Salvin-Godman Coll.
w, x. Ad. st.	New South Wales.	Australian Museum [P.].
y. Ad. sk.	Victoria.	Seebohm Coll.
z. Ad. sk.	Lord Howe Island, Sept. 8 (*J. Macgillivray*).	Gould Coll.
a'. ♀ ad. sk.	Green Isl., D'Entrecasteaux Channel, Tasmania, Nov. 8 (*J. Macgillivray*).	J. Gould, Esq.

4. Numenius longirostris.

Scolopax arquata, var. *β*, *Gm. Syst. Nat.* i. p. 656 (1788).
Numenius arquata, var. B, *Lath. Ind. Orn.* ii. p. 710 (1790).
Numenius longirostris, *Wilson, Amer. Orn.* viii. p. 23, pl. 64. fig. 4 (1814); *Audub. B. Amer.* pl. 231 (c. 1826); *Swains. Faun. Bor.-Amer., Birds*, p. 376 (1831); *Audub. Orn. Biogr.* iii. p. 240 (1835); *Bp. Comp. List B. Eur. & N. Amer.* p. 49 (1838); *Audub. Orn. Biogr.* v. p. 587 (1839); *id. B. Amer.* 8vo, vi. p. 35, pl. 355 (1843); *Vigors, Voy. 'Blossom,'* p. 28 (1839); *Gray, List Grall. Brit. Mus.* p. 94 (1844); *Giraud, B. Long Isl.* p. 271 (1844); *Denny, P. Z. S.* 1847, p. 39 (Jamaica); *Gray, Gen. B.* iii. p. 560 (1847); *Reichenb. Grall.* tab. lxxviii. fig. 544, ccclix. figs. 2815–16 (1850); *Lembeye, Av. Cuba*, p. 88 (1850); *Licht. Nomencl. Av. Mus. Berol.* p. 91 (1854); *Bp. C. R.* xliii. p. 597 (1856); *Cass. U.S. Expl. Exp.* p. 315 (1858: Columbia to California; Oregon); *id. in Baird's B. N. Amer.* p. 743 (1858); *Henry, Proc. Acad. Nat. Sci. Philad.* 1859, p. 108 (New Mexico); *Brewer, Proc. Bost. Soc. Nat. Hist.* vii. p. 308 (1860: Cuba); *G. C. Taylor, Ibis*, 1862, p. 129 (Florida); *Boardm. Proc. Bost. Soc. Nat. Hist.* ix. p. 129 (1862: Maine, migrant); *Blakist. Ibis*, 1863, p. 134; *March, Proc. Acad. Nat. Sci. Philad.* 1864, p. 68 (Jamaica); *Schl. Mus. Pays-Bas*, Scolopaces, p. 85 (1864: Mexico; Texas); *Coues, Ibis*, 1865, p. 165 (Arizona); *Salvin, t. c.* p. 190 (Guatemala); *Gundl. Repert Fisico-Nat. Cuba*, i. p. 352 (1866); *Dresser, Ibis*, 1866, p. 40 (Matamoras, July, Aug.; Galveston Isl., May, June; San Antonio, winter); *Salvin, t. c.* p. 197 (Dueñas); *Coues, t. c.* p. 269 (Arizona); *id. Proc. Acad. Nat. Sci. Philad.* 1866, p. 90 (Fort Whipple); *id. Proc. Bost. Soc. Nat. Hist.* xii. p. 123 (1868: South Carolina); *Brown, Ibis*, 1868, p. 425 (Vancouver Isl.); *Finsch, Abh. nat. Ver. Bremen*, ii. p. 363 (1870: Mazatlan); *Coues, Proc. Acad. Nat. Sci. Philad.* 1871, p. 32 (N. Carolina); *Gray, Hand-l. B.* iii. p. 42, no. 10247 (1871); *Allen, Bull. Harv. Coll. C. Z.* iii. p. 182 (1872: Kansas); *Coues, Key N. Amer. B.* p. 262 (1872); *Scl. & Salv. Nomencl. Av. Neotr.* p. 146 (1873); *Coues, B. N.-West*, p. 508 (1874); *id. Amer. Nat.* 1874, p. 601 (Upper Missouri); *Lawr. Mem. Bost. Soc. N. H.* ii. p. 309 (1874); *Gundl.*

J. f. O. 1875, p. 320 (Cuba); *Hensh. Rep. Zool. Expl.* 100*th Merid.* p. 461 (1875: St. Charles, R. Colorado); *Lawr. Bull. U.S. Nat. Mus.* iv. p. 48 (1876: Tehuantepec, Dec.); *Sennett, Bull. U.S. Geol. Surv.* iv. p. 55 (1878: Brownsville); *Coues, t. c.* p. 645 (Dakota); *Lawr. Proc. U.S. Nat. Mus.* i. p. 197 (1878: St. Vincent); *Belding, t. c.* p. 441 (California); *Lawr. t. c.* pp. 451, 488 (Guadeloupe); *Maynard, B. East. N. Amer.* p. 308 (1879); *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 201 (1880); *A. & E. Newton, Handb. Jamaica*, p. 116 (1881); *Coues, Check-list N. Amer. B.* p. 104 (1882); *Belding, Proc. U.S. Nat. Mus.* v. p. 545 (1883: Lower California); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 311 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 645 (1884); *Cory, List B. West Ind.* p. 27 (1885); *Turner, Proc. U.S. Nat. Mus.* viii. p. 248 (1885: Labrador); *Drew, Auk*, ii. p. 18 (1885: Colorado); *Lawr. t. c.* p. 273 (Long Isl.); *Agersh. t. c.* p. 286 (Dakota); *A. O. U. Check-l. N. Amer. B.* p. 158 (1886); *Emerman, Auk*, iii. p. 92 (1886: Ventura Co., California); *Seton, t. c.* p. 152 (Manitoba); *Scott, t. c.* p. 386 (Tucson, Arizona); *Ferrari-Perez, Proc. U.S. Nat. Mus.* ix. p. 179 (1886: State of Puebla); *Lloyd, Auk*, iv. p. 186 (1887: Western Texas); *Cory, t. c.* p. 320; *Evens, Proc. U.S. Nat. Mus.* x. p. 180 (1887: Upper Sacramento Valley, California); *Beckh. t. c.* p. 637 (Bexar Co., Texas); p. 653 (San Antonio); *Merrill, Auk*, v. p. 145 (1888: Fort Klamath); *Seebohm, Geogr. Distr. Charadr.* p. 327 (1888); *Scott, Auk*, vi. p. 158 (1889: Tarpon Springs); *Salvin, Ibis*, 1889, p. 179 (Cozumel Isl.); *Cory, B. West Ind.* p. 241 (1889); *Thompson, Proc. U.S. Nat. Mus.* xiii. p. 505 (1890: Manitoba); *Warren, B. Pennsylv.* p. 95 (1890); *Merriam, N. Amer. Faun.* no. 5, p. 92 (1891: Idaho); *Scott, Auk*, ix. p. 14 (1892: Jamaica), p. 212 (Caloosahatchie Region); *Attwater, t. c.* p. 232 (San Antonio); *Mackay, t. c.* p. 350 (Massachusetts); *Lawr. t. c.* p. 354 (Gray's Harbour, Washington); *Anthony, t. c.* p. 360 (New Mexico); *Cory, Cat. B. West Ind.* p. 94 (1892: Greater and Lesser Antilles); *Dutcher, Auk*, x. p. 272 (1893: Long Isl.).

Numenius melanopus, *Vieill. N. Dict. d'Hist. Nat.* viii. p. 306 (1817: N. America).

Long-billed Curlew, *Nuttall, Man. Orn.* ii. p. 94 (1834).

Numenius occidentalis, *Woodh. Proc. Acad. Nat. Sci. Philad.* 1852, p. 194 (Rio Grande, New Mexico).

Numenius (Numenius) longirostris, *Coues, Proc. Acad. Nat. Sci. Philad.* 1861, p. 235 (Labrador).

Adult male in breeding-plumage. General colour above brown varied with rufous, all the feathers blackish brown in the centre, mottled and barred with cinnamon-rufous; lower back, rump, and upper tail-coverts like the rest of the back; lesser and median wing-coverts like the back, the greater series barred with blackish brown and cinnamon, primary-coverts blackish brown tipped with pale cinnamon, primaries blackish brown, the shaft of the first pure white, the shafts of all the other quills cinnamon-rufous, with which colour the outer primaries are broadly but irregularly barred; the secondaries cinnamon, regularly barred with dusky brown; the innermost secondaries like the back, and more ashy brown instead of rufous, tail cinnamon-rufous, regularly barred across with dusky brown, the bars being nine or ten in number; head and neck pale cinnamon-rufous, longitudinally streaked with brown, more narrowly

on the latter; lores whitish, extending above the eye and forming a faint eyebrow; sides of face and ear-coverts rufescent, with narrow lines of dusky brown; upper throat whitish; remainder of under surface vinous cinnamon, paler on the abdomen, the feathers with more or less distinct margins of isabelline white; lower throat, fore-neck, and chest with narrow blackish longitudinal centres, as on the sides of the neck; sides of the body with a few narrow bars of dusky brown; axillaries and under wing-coverts cinnamon-rufous, with dusky-brown bars on the primary-coverts, and to a less extent on the lower greater coverts: "bill black, becoming dull light lilac-brown on the basal half of the mandible; feet grey; iris brown" (*R. Ridgway*). Total length 18·5 inches, culmen 5·3, wing 10·5, tail 4, tarsus 3·2.

Adult female in summer plumage. Similar to the male, but larger. Total length 21 inches, culmen 7·3, wing 11, tail 3·8, tarsus 3·4.

Nestling. Buffy yellow, deeper above, tinged with sulphur-yellow below; upper parts coarsely and irregularly marbled with black: "bill *straight*, about 1·4 inch long" (*R. Ridgway*).

Adult in winter plumage. Differs from the summer plumage chiefly in its uniform under surface, the streaks on the throat and chest not being developed, and the flanks not barred.

Young birds may be distinguished from the old ones by the broad white bands on the innermost secondaries, the contrast between the black and light markings on the upper surface being more marked than in the adult birds. The throat and chest are plentifully striped with brownish black, the sides of the body having numerous bars of dusky brown, these being also developed on the axillaries and under wing-coverts, where, however, they are generally incomplete.

Hab. Temperate North America, in winter south to Central America, as far as Guatemala. Cuba; Jamaica.

a. Ad. sk.	North America.	J. J. Audubon [P.].
b, c. Ad. sk.	49th Parallel, June (*G. Dawson*).	N. Amer. Boundary Comm. [P.].
d, e. ♂ ♀ ad. sk.	Powder River, Montana.	E. S. Cameron, Esq. [P.].
f, g. ♂ ♀ juv. sk.	British Columbia.	J. K. Lord, Esq. [C.].
h. Ad. sk.	Iowa, May.	Seebohm Coll.
i. ♀ ad. sk.	Lyons Falls, N.Y., Jan. 10 (*A. J. Dayan*: *Hensh. Coll.*).	Salvin-Godman Coll.
k. ♂ ad. sk.	Texas (*A. L. Heerman*).	Salvin-Godman Coll.
l, m, n. Ad. et juv. sk.	San Antonio, Texas, Oct. (*H. E. Dresser*).	Salvin-Godman Coll.
o–s. ♂ ad.; *t–w*. ♀ ad. sk.	Corpus Christi, Texas, Oct., Nov. (*F. B. Armstrong*).	Salvin-Godman Coll.
x, y. ♀ ad. sk.	San Patricio, Texas, Dec. (*F. B. A.*).	Salvin-Godman Coll.
z. ♀ ad. sk.	California.	Capt. Kellett and Lieut. Wood.
a'. ♂ ad. sk.	California	Seebohm Coll.
b'. ♂ juv. sk.	San Diego, California, Dec. 14 (*H. W. Henshaw*).	Salvin-Godman Coll.

c'. ♂ ad. sk.	Fort Crook, N. California, June (*J. Feilner*).	Salvin-Godman Coll.
d'. ♂ ad. sk.	City of Mexico.	Seebohm Coll.
e'. ♀ ad. sk.	Rio Guerrero, Chihuahua, Jan. 3 (*W. Lloyd*).	Salvin-Godman Coll.
f'. ♀ ad. sk.	San Blas, Tepioc, April 28 (*W. B. Richardson*).	Salvin-Godman Coll.
g', *h'*. ♂ juv. et ♀ ad. sk.	Zacatecas, Aug. (*W. B. Richardson*).	Salvin-Godman Coll.
i', *k'*, *l'*. Ad. sk.	Cozumel Island (*G. F. Gaumer*).	Salvin-Godman Coll.
m'. Ad. sk.	Dueñas, Guatemala (*O. S.*).	Salvin-Godman Coll.

5. Numenius phæopus.

The Whimbrel or Lesser Curlew, *Edwards, Gleanings Nat. Hist.* ii. p. 204, pl. 307 (1760).

Le Petit Courly ou le Corlieu, *Briss. Orn.* v. p. 317, pl. xxvii. fig. 1 (1760).

Scolopax phæopus, *Linn. Syst. Nat.* i. p. 243 (1766); *Gm. Syst. Nat.* i. p. 657 (1788).

Le Corlieu, *D'Aubent. Pl. Enl.* viii. pl. 842.

Le Courlieu ou Petit Courlis, *Buff. Hist. Nat. Ois.* viii. p. 27, pl. iii. (1781).

Whimbrel, *Lath. Gen. Syn.* iii. pt. 1, p. 123 (1785); *Yarr. Brit. B.* ii. p. 516 (1843).

Numenius phæopus, *Lath. Gen. Syn. Suppl.* i. p. 291 (1787); *id. Ind. Orn.* ii. p. 711 (1790); *Pallas, Zoogr. Rosso-Asiat.* ii. p. 169 pt. (1811); *Vieill. N. Dict. d'Hist. Nat.* viii. p. 303 (1817); *Temm. Man. d'Orn.* ii. p. 604 (1820); *Roux, Orn. Prov.* pl. 307 (1825); *Werner, Atlas, Gralles*, pl. 6 (1827); *Less. Traité d'Orn.* p. 599 (1831); *Brehm, Vog. Deutschl.* p. 611 (1831); *Ménétr. Cat. Rais. Cauc.* p. 50 (1832: Caucasus); *Naum. Vog. Deutschl.* viii. p. 308, pl. 217 (1836); *Gould, B. Eur.* iv. pl. 303 (1837); *Bp. Comp. List B. Eur. & N. Amer.* p. 49 (1838); *Cresp. Orn. Gard*, p. 406 (1840); *Keys. & Blas. Wirb. Eur.* p. lxxviii (1840); *Webb & Berth. Orn. Canar.* p. 37 (1840); *Nordm. in Démid. Voy. Russ. Merid.* iii. p. 255 (1840); *Selys-Longch. Faun. Belg.* p. 131 (1842); *Schl. Rev. Crit.* p. xcv (1844); *Mühle, Beitr. Orn. Griechenl.* p. 110 (1844); *Gray, List Grall. Brit. Mus.* p. 94 (1844); *Hodys. Icon. ined. in Brit. Mus., Grall.* pl. 80, no. 616; *id. in Gray's Zool. Misc.* p. 86 (1844); *Rüpp. Syst. Uebers.* p. 125 (1845: Lower Egypt, in winter); *Gray, Cat. Mamm. etc. Nepal pres. Hodys.* p. 137 (1846); *Hewits. Eggs Brit. B.* ii. p. 287, pl. lxxix. fig. 2 (1846); *Gray, Gen. B.* iii. p. 580 (1847); *Blyth, Cat B. Mus. As. Soc.* p. 268 (1849: Calcutta); *Reichenb. Grall.* tab. lxxviii. figs. 540 41 (1850); *Thomps. B. Irel.* ii. p. 186 (1850); *Macgill. Brit. B.* iv. p. 253 (1852); *Kjærb. Danm. Fugle*, pl. xxxiii. *a.* fig. 5 (1852); *Schl. Vog. Nederl.* pl. 248 (1854); *Licht. Nomencl. Av. Mus. Berol.* p. 91 (1854: Europe; Abyssinia; Arabia); *Heugl. Syst. Uebers.* p. 62 (1856: Banks of the Nile, in winter); *Hartl. Orn. W.-Afr.* p. 232 (1857: Gambia; Ashantee; Mozambique); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 473 (1859); *Landerm. Vog. Griechenl.* p. 146 (1859); *Parya, Ibis*, 1860, p. 344 (Corfu & Epirus, spring & autumn); *Reinhardt, Ibis*, 1861, p. 10 (Greenland); *F. & P. Godman, t. c.* p. 87 (Bodo, breeding); *Irby, t. c.* p. 240 (Oudh); *E. Newton, t. c.* p. 276 (Mauritius); *Schl. Dier. Nederl. Vogels*, pl. 22. figs. 9, 9 *a* (1861); *Maill. Notes*

sur l'Isle Réunion, p. 163 (1862); *Newton in Baring-Gould's Iceland*, p. 413 (1863: April to Sept.); *Gray, List Brit. B.* p. 154 (1863); *Roch & E. Newt. Ibis*, 1863, p. 171 (Madagascar); *E. Newt. t. c.* p. 457; *Schl. Mus. Pays-Bas*, Scolopaces, p. 94, pt. (1864); *Jerd. B. Ind.* iii. p. 684 (1864); *Wright, Ibis*, 1864, p. 145 (Malta); *Gigl. Ibis*, 1865, p. 60 (Pisa); *Gurney, t. c.* p. 272 (Natal); *More, t. c.* p. 434; *Godman, Ibis*, 1866, pp. 101, 107 (Azores); *Schl. P. Z. S.* 1866, p. 425 (Madagascar); *Blyth, Ibis*, 1867, p. 168 (Calcutta); *Baird, t. c.* p. 282 (Iceland & Greenland); *E. Newton, t. c.* pp. 346, 359 (Seychelles); *Degl. & Gerbe, Orn. Eur.* ii. p. 162 (1867); *Loche, Expl. Sci. Algér., Ois.* ii. p. 333 (1867); *Layard, B. S. Afr.* p. 322 (1867: Walfisch Bay; Cape Town); *Grandid. Rev. et Mag. de Zool.* 1868, p. 4; *Chapm. Trav. S. Afr.* ii. App. p. 419 (1868); *Schl. & Poll. Faune Madag., Ois.* p. 183 (1868); *Tristr. Ibis*, 1868, p. 327 (Palestine); *Smith, t. c.* p. 454 (Portugal); *Borggr. Vogelf. Norddeutschl.* p. 120 (1869); *Doderl. Avif. Sicil.* p. 181 (1869); *Droste, Vogelw. Borkum*, p. 249 (1869); *Drake, Ibis*, 1869, p. 154 (Marocco); *Godman, Azores*, pp. 34, 41 (1870: Madeira & Canaries); *Fritsch, Vög. Eur.* tab. 40. fig. 2 (1870); *Stevens. B. Norf.* ii. p. 199 (1870); *Finsch & Hartl. Vög. Ost-Afr.* p. 739 (1870); *Salvad. Faun. Ital., Ucc.* p. 225 (1871); *Gould, B. Gt. Brit.* iv. pl. 49 (1871); *R. Gray, B. West Scotl.* p. 288 (1871); *Saunders, Ibis*, 1871, p. 389 (S. Spain); *Gray, Hand-l. B.* iii. p. 42, no. 10249 (1871); *Harting, Handb. Brit. B.* p. 53 (1872); *Sundev. Sv. Fogl.* pl. xxxviii. fig. 3 (1856–72); *Sharpe, Ibis*, 1872, p. 74 (Nagua R., Gold Coast); *G. C. Taylor, t. c.* p. 232 (Constantinople); *Shelley & Buckley, t. c.* p. 290 (Gold Coast); *Gurney in Anderss. B. Dam. Ld.* p. 300 (1872: rare in Damara & Great Namaqua Lands); *Shelley, B. Egypt*, p. 244 (1872); *Feilden, Zool.* 1872, p. 3248 (Færoe Isl., April to Sept.); *Holdsw. P. Z. S.* 1872, p. 474 (Ceylon); *Palmén, Finlands Foglar*, p. 122 (1873); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1150 (1873: Lower Egypt; Khartoum; Abyssinia; coast of Arabia); *Antin. & Salvad. Viagg. Bogos*, p. 145 (1873: Rhas-Gherar, Dec.); *Brooke, Ibis*, 1873, p. 340 (Sardinia); *Hayes Lloyd, t. c.* p. 417 (Kathiawar); *Dresser, B. Eur.* viii. p. 227, pl. 576 (1873); *Ussher, Ibis*, 1874, p. 74 (Gold Coast); *Durnf. t. c.* p. 399 (N. Frisian Isl.); *Swinhoe, Ibis*, 1875, p. 132 (Chefoo, May); *Danf. & H.-Brown, t. c.* p. 424 (Transylvania); *Irby, Orn. Straits Gibr.* p. 178 (1875); *Fallon, Ois. Belg.* p. 167 (1875: spring & autumn); *Sharpe & Bouvier, Bull. Soc. Zool. France*, i. p. 53 (1876: Chinchonxo, March); *Butler, Str. F.* iv. p. 16 (1876: Sind); *Hume, t. c.* p. 464 (Laccadives); *Blanf. East. Persia*, ii. p. 286 (1876); *Seebohm & H.-Brown, Ibis*, 1876, p. 311 (Ust Zylma, May); *Tacz. Bull. Soc. Zool. France*, ii. p. 157 (1877: Poland); *Ayres, Ibis*, 1877, p. 350 (Transvaal, Nov.); *Hartl. Vög. Madag.* p. 322 (1877); *Butler, Str. F.* v. p. 233 (1877: Deesa); *Hume, t. c.* p. 329 (Sind); *Oust. Bull. Soc. Philomath.* 1878, p. 185 (Seychelles); *Sharpe, Report Trans. Venus Exped.* p. 462 (1878: Rodriguez); *Butler, Str. F.* vii. p. 187 (1878: Karachi Harbour); *Hume, t. c.* p. 487 (Calcutta); *Ayres, Ibis*, 1878, p. 301 (Transvaal); *Bogd. B. Cauc.* p. 156 (1879); *Hume, Str. F.* viii. p. 112 (1879); *Butler, Cat. B. Sind, etc.* p. 62 (1879: cold weather visitant); *id. Cat. B. S. Bomb. Pres.* p. 76 (1880: winter); *Legge, B. Ceylon*, p. 910 (1880); *Vidal, Str. F.* ix. p. 85 (1880: S. Konkan); *Butler, t. c.* p. 429 (Deccan & S. Mahratta Country); *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 230 (1880: Greenland); *Reid, Str. F.* x. p. 70 (1881: Lucknow);

Bocage, Orn. Angola, p. 462 (1881 : R. Zaire & Cunene) ; *Collett, Norges Fugle*, p. 101 (1881) ; *Gurney, Ibis*, 1882, p. 75 (Mombasa) ; *Seebohm, t. c.* p. 224 (Astrakhan), p. 382 (Archangel) ; *Milne-Edwards & Grandidier, Hist. Nat. Madag., Ois.* p. 621 (1882) ; *Cocks, Zool.* 1882, p. 408 (Spitsbergen, July) ; *Oates, Handb. B. Burm.* ii p. 411 (1883, pt.) ; *B. O. U. List Brit. B.* p. 179 (1883) ; *Booth, Rough Notes*, ii. (1881-87) ; *Saunders, ed. Yarrell's Brit. B.* iii. p. 507 (1883) ; *Seebohm, Ibis*, 1883, p. 29 (Caucasus) ; *Irby, t. c.* p. 186 (Santander) ; *Tristr. Faun. & Flor. Palest.* p. 134 (1884 : scarce winter visitant) ; *Chapman, Ibis*, 1884, p. 49 (Coast of Portugal) ; *Radde, Orn. Cauc.* p. 45 (1884 : Titlis, breeding up to 6300 ft.), p. 435 (Lenkoran) ; *Murray, Vertebr. Faun. Sind*, p. 247 (1884) ; *Sharpe, ed. Layard's B. S. Afr.* p. 693 (1884) ; *Seebohm, Hist. Brit. B.* iii. p. 100 (1885) ; *Dixon, Ibis*, 1885, p. 85 (St. Kilda) ; *Fischer, J. f. O.* 1885, p. 116 (Zanzibar ; Lamu) ; *Buttik. Notes Leyd. Mus.* 1885, p. 243 (Liberia) ; *Hartert, J. f. O.* 1886, p. 69 (Los Isl. ; Tumbo & Cassa) ; *Salvad. Elenco Vec. Ital.* p. 230 (1886) ; *Saunders, P. Z. S.* 1886, p. 336 (Diego Garcia, Chagos Group) ; *Verbury, Ibis*, 1886, p. 21 (Aden) ; *Sharpe, t. c.* p. 492 (Fao, July to March) ; *Gigl. Avif. Ital.* p. 400 (1886) ; *Tait, Ibis*, 1887, p. 383 (Portugal) ; *Ridgw. Man. N. Amer. B.* p. 171 (1887) ; *Harvie Brown & Buckley, Vertebr. Faun. Sutherl., Caithn. & Cromarty*, p. 225 (1887) ; *iid. Vertebr. Faun. Outer Hebr.* p. 137 (1888) ; *Shelley, Ibis*, 1888, p. 306 (Lamu) ; *Chapman, t. c.* p. 445 (Spain, Sept.) ; *Milne-Edwards & Oust. N. Arch. Mus.* (2) x. *Bull.* p. 286 (1888 : Comoro Isl.) ; *Seebohm, Geogr. Distr. Charadr.* p. 328 (1888) ; *Buttik. Notes Leyd. Mus.* 1888, p. 102 (Junk R.), 1889, p. 137 ; *Reichen. Syst. Verz. Vog. Deutschl.* p. 46 (1889) ; *Guillem. Ibis*, 1889, p. 213 (Kuklia, Cyprus) ; *Lilford, t. c.* p. 342 (Cyprus) ; *Saunders, Man. Brit. B.* p. 613 (1889) ; *Hartvig, J. f. O.* 1889, p. 150 (Tromsö) ; *Chamberlain, Auk*, vi. p. 217 (1889 : Arsuk, S. Greenland) ; *Gigl. Avif. Ital.* 1st *Reuse.* p. 624 (1890), 2nd *Reuse.* p. 656 (1890), 3rd *Reuse.* p. 514 (1891) ; *Ogilvie Grant, Ibis*, 1890, p. 442 (Madeira) ; *Graham, B. Iona & Mull*, p. 237 (1890) ; *Friedrich, Aves Hung.* p. 138 (1891) ; *Hewitson, B. Ireland*, p. 20 (1891) ; *Gätke, Vogelw. Helgol.* p. 475 (1891) ; *Harvie-Brown & Buckley, Vertebr. Faun. Argyll & Inner Hebr.* p. 183 (1892) ; *Seebohm, Ibis*, 1892, p. 22 (Heligoland) ; *Sharpe, t. c.* p. 115 (Madagascar) ; *Rendall, t. c.* p. 229 (Gambia) ; *Hartert, t. c.* p. 514 (E. Prussia) ; *Fatio & Studer, Cat. d. tr. Ois. Suisse*, p. 46 (1892) ; *Irby, Key List Brit. B.* 2nd ed. p. 54 (1892) ; *Barnes, Ibis*, 1893, pp. 171, 181 (Aden) ; *Meade-Waldo, t. c.* p. 285 (Canary Isl.) ; *Pearson & Bidwell, Ibis*, 1894, p. 235 (Norway, breeding) ; *Chapman, t. c.* p. 347 (West Jutland) ; *Reichen. t. c., Deutsch-Ost.-Afr.* p. 42 (1894 : East African coast in winter) ; *Irby, Orn. Straits Gibr.* 2nd ed. p. 291 (1895).

Numenius minor, *Leach, Syst. Cat. Mamm. &c. Brit. Mus.* p. 32 (1816 : Devonshire).

Phæopus phæopus, *Cuv. Regne An.* i. p. 485 (1817).

Phæopus vulgaris, *Fleming, Philos. Zool.* ii. p. 254 (1822).

Phæopus arquatus (nec *Linn.*), *Stephens in Shaw's Gen. Zool.* xii. p. 2, pl. 5 (1825).

Numenius uiensibus, *Brehm, Vog. Deutschl.* p. 610 (1831).

Numenius melanorhynchus, *Jp. C. R.* xlvii. p. 1021 (1858 : Greenland), *Gray, Hand-l. B.* iii. p. 42, no. 10250 (1871).

Numenius hudsonicus, *Hartl. Orn. West-Afr.* p. 233 (1857 : St. Thomas), *Gray, Hand-l. B.* iii. p. 42, no. 10251 (1871).

Phœopus minor, *Heine & Reichen. Nomencl. Mus. Hein.* p. 326 (1890).

Adult male in breeding-plumage. General colour above nearly uniform dark brown, excepting for the broad ashy-brown markings on the feathers of the mantle and upper back; the wing-coverts like the back, but the margins paler and more whitish, the greater series with whitish notches on both webs; bastard-wing and primary-coverts dark brown, fringed with white at the ends; primaries blackish brown, notched with white on the inner webs, which have a barred appearance along the edge of the latter, the inner primaries notched with white, also on the outer webs; secondaries brown, notched on the outer web and barred on the inner web with white, the innermost secondaries nearly uniform brown like the back, the shafts of the outer primary white, of the second whity brown, and of the rest pale brown; lower back and rump white, slightly mottled with longitudinal spots of blackish brown, more or less concealed on the back, but larger and more distinct on the rump; upper tail-coverts barred with brown and whitish, the brown bars somewhat irregular and not coterminous; tail-feathers ashy brown and tipped with white and crossed by regular bars of dark brown, about nine in number; centre of crown whitish and streaked with brown, the remainder of the crown dark brown, forming two broad bands and followed by a broad eyebrow of dull white and narrowly streaked with small lines of blackish; lores and upper margin of ear-coverts dark brown; remainder of sides of face and neck all round pale brown, streaked with darker brown, the cheeks somewhat whiter; chin and upper throat white, with scarcely any brown spots; lower throat, breast, and sides of body pale rufescent buff, thickly clouded with longitudinal streaks of dark brown on the throat and breast, and with bars of dark brown, of a more or less sagittate shape, on the sides of the body and flanks; abdomen and under tail-coverts white, the latter with streaks and bars of dark brown; under wing-coverts and axillaries white with dusky brown bars, very distinct on the latter; quills dusky brown below, notched with white: bill black, the base of the under mandible pale brown; feet light greyish blue, claws black; iris brown. Total length 15 inches, culmen 3·4, wing 9·5, tail 3·7, tarsus 2·5.

Adult female in breeding-plumage. Similar to the male in plumage, and scarcely differing in size. Total length 15 inches, culmen 3·3, wing 9·8, tail 3·9, tarsus 2·25.

Adults in winter plumage. Similar to the summer plumage, but with the lower back perfectly white, the black streaks being concealed, the underparts less distinctly streaked, and the flanks less distinctly barred than in the summer plumage.

Young birds may always be distinguished by the more mottled appearance of the upper surface, most of the feathers being spotted on both webs with whitish or pale rufescent buff; the lower back and rump are plentifully mottled with spots of dusky brown, and the innermost secondaries very distinctly notched with rufescent buff; the streaks on the throat and breast and the bars on the

flanks almost as plentifully developed as in the adults; the bars on the axillaries are often very incomplete, and are, in rare instances, entirely absent.

Hab. Europe generally, extending to Iceland and Greenland, and ranging eastwards as far as the Indian Peninsula in winter, and even to the Burmese countries and the Malayan Peninsula, where its range coalesces with that of *N. variegatus*. Winters also in Africa.

a. Ad. sk.	Greenland.	Tweeddale Coll.
b. ♂ ad. sk.	Færoe Islands, June.	Seebohm Coll.
c. Ad. sk.	Isle of Grain, N.B., Aug. (*R. G. W. R.*).	Tweeddale Coll.
d. ♀ ad.; *e*. ♂ juv. sk.	Spurn Point, Lincolnshire, Sept.	R. J. Caton Haigh, Esq. [P.].
f. ♀ ad. sk.	Spurn Point, Oct. 1.	J. Cordeaux, Esq. [P.].
g. Imm. sk.	Wells, Norfolk, Sept. 1.	Colonel Feilden [P.].
h. Juv. sk.	Aldeburgh, Suffolk.	Theodore Fisher, Esq. [P.].
i, *k*. ♂ ♀ ad.; *l*, *m*. ♀ juv. sk.	Romney Marsh, Kent, May, Aug., Sept. (*R. B. S.*).	Dr. R. B. Sharpe [P.].
n, *o*. ♂ ♀ ad. st.	Pagham Harbour, Sussex, May.	J. E. Harting, Esq. [P.].
p. ♂ juv. sk.	Pagham Harbour, Sept. 10 (*J. E. H.*).	Seebohm Coll.
q. Ad. st.	Hayling Island.	T. W. Tyndale, Esq. [P.].
r, *s*. Ad. et juv. sk.	Poole Harbour, Dorset (*A. von Huget*).	Seebohm Coll.
t, *u*, *v*. Ad. et juv. sk.	Devonshire.	Montagu Coll. (Types of *N. minor* of Leach.)
w, *x*. Ad. et juv. st.	Torquay.	C. Coningham, Esq. [P.].
y. ♂ ad. sk.	Bodo, Norway, May 27 (*P. Godman*).	Salvin-Godman Coll.
z ♀ ad. sk.	Bodo, June (*H. S.*).	Seebohm Coll.
a'. ♀ ad. sk.	Molde, Norway, May 31.	Seebohm Coll.
b'. Full. sk.	Sweden, July 16.	Hargitt Coll.
c' Ad. st.	Heligoland.	H. Gatke, Esq. [P.].
d' Ad. sk.	Havre, France, April 27 (*V. Pluche*).	Seebohm Coll.
e' ♂ ad. sk.	Malaga, Spain, July 29 (*H. Saunders*).	Tweeddale Coll.
f' Imm. sk.	Morocco.	Seebohm Coll.
g'. ♂ juv. sk.	Madeira, Sept. 15.	W. R. Ogilvie Grant, Esq. [P.].
h'. Ad st.	Senegambia.	Governor Rendall [P.].
i'. Ad sk.	Ancobra River, Gold Coast.	Sir F. Burton & Capt. Cameron [P.].
k'. Ad sk.	Naqua River, Fantee (*Usher*).	Seebohm Coll.
l'. ♂ imm. sk.	Walfisch Bay, Sept. 24 (*C. J. Andersson*).	Seebohm Coll.
m'. Imm. sk.	Transvaal.	Gurney Coll.
n' Ad. sk.	Madagascar.	Mr. Gerrard [P.].
o' ♂ ad. sk.	N.E. Madagascar.	Seebohm Coll.
p' Ad. sk.	Great Comoro Island (*Sir J. Kirk*).	Seebohm Coll.

q'. ♂ ad. sk.	Rodriguez (*H. H. Slater*).	Transit of Venus Exp.
r'. Ad. sk.	Zanzibar (*Sir J. Kirk*).	Seebohm Coll.
s'. Ad. sk.	Zanzibar (*E. C. Buxton*).	Seebohm Coll.
t'. Juv. sk.	Mombasa.	Rev. A. H. Buxton [P.].
u'. ♀ ad. sk.	Manda Island, Feb. 14.	F. J. Jackson, Esq. [P.].
v'. ♀ ad. sk.	Massowa, Red Sea, Aug. 24 (*W. Jesse*).	Tweeddale Coll.
w', *x'*, *y'*. Ad. sk.	Fao, Persian Gulf.	W. D. Cumming, Esq. [P.].
z', *a''*. ♀ ad. sk.	Karachi, Aug., Oct. (*E. A. Butler*).	Hume Coll.
b'', *c''*. Ad. et imm. sk.	Karachi, Dec. (*Capt. Bishop*).	Hume Coll.
d''. Imm. sk.	Ghizni, Sind (*Dr. H. Gould*).	India Museum.
e''. ♂ ad. sk.	Pind Dadan Khan, Oct. 22.	Hume Coll.
f''. Ad. sk.	Balacherry, Kathiawar, Oct. 22.	Colonel Hayes Lloyd [P.].
g'', *h''*, *i''*. Imm. sk.	Bombay Harbour, Nov.	Hume Coll.
k''. ♂ ad. sk.	Etawah, Aug. 20.	Hume Coll.
l''. Imm. sk.	Chinghut, Oudh.	Hume Coll.
m''. Imm. sk.	Nepal.	Hodgson Coll.
n'', *o''*. ♀ ad. ♂ imm. sk.	Madras, Sept.	Hume Coll.
p''. ♀ ad. sk.	Laccadive Islands, Feb. 16.	Hume Coll.
q''. Ad. sk.	S. Andamans, Jan. 3 (*R. G. W. R.*).	Tweeddale Coll.
r''. ♀ ad. sk.	S. Andamans, Sept. (*R. J. Wimberley*).	Hume Coll
s''. ♂ ad. sk.	Corbyn's Cove, Andamans, Oct. 16 (*F. A. de Roepstorff*).	Hume Coll.
t''. ♀ ad. sk.	Port Blair, March 10 (*R. J. Wimberley*).	Tweeddale Coll.
u''. ♂ ad. sk.	Viper Isl., Andamans, Dec. (*W. Davison*).	Hume Coll.
v''. ♀ ad. sk.	Dungleaf Creek, Andamans, Jan. 3 (*W. Davison*).	Hume Coll.
w''. ♀ ad. sk.	Trinkut Island, Nicobars, Jan. 31 (*R. J. Wimberley*).	Tweeddale Coll.
x''. ♂ ad. sk.	Camorta, Nicobars, Feb. 13 (*W. Davison*).	Hume Coll.
y''. ♂ ad. sk.	Elephant Point, Burma, Dec. 29 (*J. Armstrong*).	Hume Coll.
z''. ♂ imm. sk.	Lower Pegu, Sept. 18.	Oates Coll.
a^3. ♀ ad. sk.	Sittang River, Feb. 4 (*W. Davison*).	Hume Coll.
b^3, c^3. ♂ ♀ ad. sk.	Thatone Creek, Dec. (*W. Davison*).	Hume Coll.
d^3, e^3. ♂ ♀ ad. sk.	Amherst, Jan. (*W. Davison*).	Hume Coll.
f^3, g^3. ♂ ad. sk.	Mergui, Nov., Dec. (*W. Davison*).	Hume Coll.
h^3. ♂; i^3, k^3, l^3. ♀ ad. sk.	Klang, Malay Peninsula, Dec. to Feb. (*W. Davison*).	Hume Coll.
m^3, n^3. ♂ ad.; o^3. ♀ ad. sk.	Pulo Nongsa, Singapore (*W. Davison*).	Hume Coll.
p^3, q^3. Skeleton.	England.	Purchased.
r^3. Bones of trunk.	Nepal.	Hodgson Coll.
s^3. Skull.	England.	Yarrell Coll.

Subsp. *a*. **Numenius variegatus.**

Le Courlis tacheté de l'Isle de Luçon, *Sonn. Voy. N. Guin.* p. 85, pl. 48 (1776).

Luzonian Curlew, *Lath. Gen. Syn.* iii. pt. 1, p. 122 (1785).

Tantalus variegatus, *Scop. Del. Flor. et Faun. Insubr.* ii. p. 92 (1786; *ex Sonn.*).

Scolopax luzoniensis, *Gm. Syst. Nat.* i. p. 656 (1788).

Numenius luzoniensis, *Lath. Ind. Orn.* ii. p. 711 (1790); *Gray, Gen. B.* iii. p. 589 (1847); *Bp. C. R.* xliii. p. 597 (1856); *Martens, J. f. O.* 1866, p. 28; *Gray, Hand-l. B.* iii. p. 42, no. 10252 (1871); *Swinh. P. Z. S.* 1871, p. 410 (Formosa; S. China coast); *Legge, B. Ceylon*, p. 911 (1880).

Numenius phæopus (*nec* L.), *Pall. Zoogr. Rosso-Asiat.* ii. p. 160 (1811, pt.); *Horsf. Tr. Linn. Soc.* xiii. p. 191 (1821); *S. Müll. Verh. Land- en Volkenk.* p. 22 (1839-44); *Hartl. J. f. O.* 1854, p. 167; *Swinh. P. Z. S.* 1863, p. 317; *Radde, Reis. Sibir., Vog.* p. 340 (1863: Central Irkut River); *Schl. Mus. Pays-Bas*, Scolopaces, p. 93 (1864, pt.); *Hartl. P. Z. S.* 1867, p. 831 (Pelew Isl.; Maletotas Isl.); *id. & Finsch, P. Z. S.* 1868, pp. 8, 118 (Pelew Islands); *Dyb. & Parrex, J. f. O.* 1868, p. 337 (Darasun, rare); *Finsch & Hartl. Vog. Ostafr.* p. 739 (1870, pt.); *Swinh. P. Z. S.* 1871, p. 410 (Pekin to Shanghai in winter); *Hartl. & Finsch, P. Z. S.* 1872, p. 106 (Cap; Pelew Isl.); *Wald. Tr. Z. S.* viii. p. 186 (1872: Bonthain, S. Celebes; Tondano, N. Celebes); *id. Ibis*, 1873, p. 317 (S. Andamans); *Dresser, B. Eur.* viii. p. 245 (1873, pt.); *Tacz. J. f. O.* 1873, p. 103 (E. Siberia); *Salvad. Ucc. Born.* p. 333 (1874); *Hume, Str. F.* ii. p. 297 (1874: Andamans and Nicobars); *Wald. Tr. Z. S.* ix. p. 232 (1875: Cujo Isl., Dec.); *Finsch, Journ. Mus. Godeffr.* Heft 8, p. 35 (1875); *Rosenb. Reist. naar Geelvinkb.* p. 8 (1875); *Armstrong, Str. F.* iv. p. 341 (1876: Rangoon R.); *Tacz. Bull. Soc. Zool. France*, i. p. 254 (1876); *David & Oust. Ois. Chine*, p. 457 (1877); *Tweedd. P. Z. S.* 1877, p. 550 (Cebu; Malanipa); *Hume & Davison, Str. F.* vi. p. 460 (1878: Tenasserim); *Blakist. & Pryer, Ibis*, 1878, p. 223 (Yezo; Tokio; Yokohama); *Rosenb. Malay. Arch.* pp. 278, 324, 373, 407, 503 (1878); *Meyer, Ibis*, 1879, p. 142 (Menado, March; Menadotua, April); *Finsch, P. Z. S.* 1880, p. 576 (Kuk Isl.); *Tweedd. Voy. 'Challenger,'* ii. *Birds*, p. 23 (1881); *Finsch, Ibis*, 1881, pp. 107, 109 (Kushai), 115 (Penang); *Kelham, Ibis*, 1882, p. 17 (Sapata, Nov.); *Oates, Hand. B. Brit. Burm.* ii. p. 411, pt. (1883); *Vorderm. N. T. Nederl. Ind.* xliii. p. 119 (1883: Java), xlv. p. 204 (1884), xlix. p. 416 (1889: Sumatra); *Seebohm, B. Japan. Emp.* p. 316 (1890).

Numenius atricapillus, *Vieillot, N. Dict. d'Hist. Nat.* viii. p. 333 (1817).

Numenius uropygialis, *Gould, P. Z. S.* 1840, p. 175; *Gray, List Gould Brit. Mus.* p. 94 (1844: Port Essington); *id. Gen. B.* iii. p. 589 (1847); *Gould, B. Austr.* vi. pl. 13 (1848); *Macgill. Narr. Voy. 'Rattlesnake,'* ii. p. 358 (1852); *Bp. C. R.* xliii. p. 597 (1856); *Sel. Journ. Linn. Soc.* ii. p. 170 (1858); *Gray, P. Z. S.* 1858, pp. 188, 197 (Aru Islands); *id. Cat. B. New Guinea*, p. 182 (1859); *id. P. Z. S.* 1861, p. 438 (New Guinea); *Swinh. Ibis*, 1863, p. 400 (Formosa); *Wall. P. Z. S.* 1863, p. 35 (Bouru); *Swinh. l. c.* p. 317; *Finsch, Neu-Guinea*, p. 182 (1865); *Gould, Handb. B. Austr.* ii. p. 279 (1865); *Rosenb. Reis naar Zuidoosteveil.* p. 34 (1867); *Marie, Actes Soc. Linn. Bordeaux*, xxvii. p. 328 (1870: New Caledonia); *David, N. Arch. Mus.* vii. *Bull.* p. 12

(1871 : Pekin); *Dresser, B. Eur.* viii. p. 245 (1873); *Sharpe, Ibis*, 1876, p. 52 (Bruit, Nov.); *Cab. & Reichen. J. f. O.* 1876, p. 327; *Salvad. Ann. Mus. Genov.* ix. pp. 48 (Yule Isl.), 63 (1876: Sanghir), x. p. 164 (1877 : Sorong); *Scl. P. Z. S.* 1877, pp. 113, (Duke of York Isl.), 557 (Admiralty Isl.); *Masters, Proc. Linn. Soc. N. S. W.* i. p. 61 (1877 : Cape Grenville; Cape York; Sue Isl.; Bet Isl.; Long Isl.; Darnley Isl.); *Sharpe, Journ. Linn. Soc.* xiii. p. 504 (1877); *Castelnau & Ramsay, Proc. Linn. Soc. N. S. W.* i. p. 385 (Gulf of Carpentaria); *Ramsay, t. c.* p. 394 (1877 : Pt. Moresby), ii. p. 198 (1878), iii. p. 296 (1879), iv. p. 101 (1880); *Rosenb. Malay. Arch.* pp. 373, 390 (1879); *Salvad. P. Z. S.* 1878, pp. 90 (Ki Isl.), 100 (Aru Isl.); *Finsch, P. Z. S.* 1879, p. 14 (New Britain); *Sharpe, t. c.* p. 351 (Kina Banua River); *Scl. t. c.* p. 447 (Duke of York Isl.); *Salvad. Ann. Mus. Genov.* xiv. p. 667 (1879: Great Ki Island); *D'Albert. Nuova-Guinea*, pp. 582, 585 (1880); *Scl. Voy. 'Challenger,'* ii. *Birds*, p. 33 (1881: Admiralty Isl.); *Salvad. t. c.* pp. 73, 83 (Ki Isl.); *Meyer, Verh. z.-b. Ges. Wien*, 1881, p. 767 (Sumba); *Finsch, Vög. Südsee*, p. 22 (1884 : New Britain), p. 39 (Torres Straits); *Meyer, Sitz. Abhandl. Ges. 'Isis,' Dresden*, 1884, Abth. i. p. 56 (Siao); *Pleske, Bull. Acad. St. Pétersb.* xxix. p. 573 (1884 : Ternate); *Bogd. Consp. Av. Imp. Ross.* i. p. 84 (1884); *Guillem. P. Z. S.* 1885, p. 576 (Obi Major); *Ramsay, Tab. List Austr. B.* p. 20 (1888); *North, Proc. Linn. Soc. N. S. W.* (2) iii. p. 1778 (1888 : Cumberland, N. S. W.); *Etheridge, Lord Howe Isl.* p. 17 (1889).

Numenius tahitensis (*nec Gm.*), *Cassin in Perry's Exped. Japan*, ii. p. 228, pl. 5 (1856).

Numenius minor (*nec Leach*), *Rosenb. Nat. Tijdschr. Nederl. Ind.* xxv. p. 255 (1863); *id. J. f. O.* 1864, p. 137.

Numenius sp., *Rosenb. Reis naar Zuidoostereil.* p. 82 (1867 : Ki Islands).

Numenius variegatus, *Salvad. Ann. Mus. Genov.* xviii. p. 330 (1882); *id. Orn. Papuasia etc.* iii. p. 332 (1882); *Scl. P. Z. S.* 1883, pp. 52, 200 (Larut, Timorlaut); *Blakist. Amended List B. Japan*, p. 12 (1884); *Forbes, P. Z. S.* 1884, p. 433 (Timor Laut); *id. Naturalist's Wand. East. Arch.* p. 367 (1885); *Nehrk. J. f. O.* 1885, p. 35 (Waigiou); *Grant, P. Z. S.* 1888, p. 201 (Aola, Guadalcanar); *Blasius, Ornis*, 1888, p. 629 (Sanghir); *Everett, Journ. Straits Branch As. Soc.* 1889, p. 209; *Salvad. Agg. Orn. Papuasia etc.* iii. p. 204 (1891); *Büttik. Notes Leyd. Mus.* xiv. p. 204 (1892 : Sumba); *Meyer & Wiglesw. J. f. O.* 1894, p. 252 (Talaut Isl.).

Numenius melanorhynchus (*nec Bp.*), *Tacz. Bull. Soc. Zool. Fr.* viii. p. 340 (1883 : Kamtchatka); *Dyb. & Tacz. op. cit.* ix. p. 146 (1884).

Numenius phæopus variegatus, *Stejneger, Bull. U.S. Nat. Mus.* no. 29, p. 138 (1885: Bering Isl.), p. 317 (Kamtchatka); *Seebohm, Hist. Br. B.* iii. p. 101 (1885); *id. Geogr. Distr. Charadr.* p. 330 (1880); *Tacz. P. Z. S.* 1888, p. 457 (Chimulpo, Corea, May); *Seebohm, B. Japan. Emp.* p. 317 (1890); *Nicholski, Faune Saghalien*, p. 267 (*teste Tacz.*); *Tacz. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 943 (1893).

Adult male. Similar to *N. phæopus*, but with the lower back and rump very thickly mottled with bars and spots of brown, and the axillaries with broader and more numerous bands of brown: "bill blackish, dark brown at the base of the lower mandible; feet dark lead-colour; claws black; iris very dark brown" (*L. Taczanowski*). Total length 15 inches, culmen 3, wing 8·8, tail 3·8, tarsus 2·15.

The female and young, as well as the winter plumage, are exactly similar to those of *N. phæopus*. The differences between this race and the Whimbrel of Europe are not so strongly pronounced in all cases as to render the determination of specimens always a matter of certainty. Some of the Philippine specimens, for instance, are very difficult to separate from European examples, and many others also appear to be intermediate between the two forms.

Hab. Replaces *N. phæopus* in Eastern Siberia and the Japanese Islands, extending in winter to the Malay Archipelago and Australia.

a. ♂ ad. sk.	Hakodadi, Japan, May 24 (*Blakiston*).	Seebohm Coll.
b. ♂ ad. sk.	Nagasaki, May 1.	F. Ringer, Esq. [P.].
c. Ad. sk.	Yokohama, May 22 (*Snow*).	Seebohm Coll.
d, *e.* Ad. sk.	Yokohama (*H. Pryer*).	Seebohm Coll.
f. ♀ ad. sk.	Shanghai, May.	J. Webb, Esq. [P.].
g. ♂ ad. sk.	Shanghai, May (*R. Swinhoe*).	Seebohm Coll.
h, *i.* Imm. sk.	Formosa, Sept., Oct. (*R. Swinhoe*).	Seebohm Coll.
k. Imm. sk.	Burma (*Houghton*).	Tweeddale Coll.
l. ♀ ad. sk.	Tavoy, Tenasserim, April 29, (*W. Davison*).	Hume Coll.
m. ♂ ad.; *n*, *o.* ♀ ad. sk.	Salangore, Nov. to Feb. (*W. Davison*).	Hume Coll.
p, *q.* ♂ ♀ ad. sk.	Pulo Nongsa, Singapore, Nov. (*W. Davison*).	Hume Coll.
r. Ad. sk.	Manila, Philippines (*Maitland Heriot*).	Tweeddale Coll.
s. ♀ ad. sk.	Cujo Isl., Philippines, Nov. (*A. B. Meyer*).	Tweeddale Coll.
t. ♀ ad. sk.	Negros Isl., Feb.	E. M. Moseley, Esq.
u, *v.* ♂ ♀ ad. sk.	Cebu.	Voy. H.M.S. 'Challenger.'
w. Ad. sk.	Malanipa.	Voy. H.M.S. 'Challenger.'
x. ♀ juv. sk.	Baram River, Sarawak.	Charles Hose, Esq. [P.].
y. Ad. sk.	Borneo.	Tweeddale Coll.
z, *a'*. Ad. sk.	Menado, Celebes.	Seebohm & Tweeddale Colls.
b'. ♂ ad. sk.	Sanghir, Nov. 27.	Seebohm Coll.
c'. Ad. sk.	Sula Islands.	Wallace Coll.
d'. Ad. sk.	Flores.	Wallace Coll.
e'. ♀ ad. sk.	Larut, Tenimber Isl., Sept. 6.	Dr. H. O. Forbes [P.].
f'. Ad. sk.	Halmahera (*A. R. Wallace*).	Tweeddale Coll.
g', *h'*. Ad. sk.	Morotai.	Wallace Coll.
i', *k'* ♂ ♀ ad. sk.	Morotai, Sept. (*Bernstein*).	Seebohm Coll.
l'. Ad. sk.	Bouru.	Wallace Coll.
m', *n'*, *o'*. Ad. sk.	Ceram.	Wallace Coll.
p', *q'*. Ad. sk.	Ceram (*A. R. Wallace*).	Tweeddale Coll.
r'. Ad. sk.	Mysol.	Wallace Coll.
s'. ♀ imm. sk.	Mysol, Feb. 16 (*Rosenberg*).	Seebohm Coll.
t'. ♂ ad. sk.	Aru Islands.	Wallace Coll.
u'. ♂ ad. sk.	Aru Islands.	Voy. H.M.S. 'Challenger.'

v'. ♀ ad. sk.	Ke Doulan.	Voy. H.M.S. 'Challenger.'
w'. ♀ ad. sk.	New Guinea (*S. Müller*).	Seebohm Coll.
x'. Ad. sk.	Duke of York Island.	Rev. G. Brown [C.].
y'. Ad. sk.	New Britain (*G. Brown*).	Tweeddale Coll.
z'. ♀ ad. sk.	Admiralty Islands.	Voy. H.M.S. 'Challenger.'
a'', *b''*. Ad. sk.	Australia.	Tweeddale Coll.
c'', *d''*, *e''*. Ad. sk.	Queensland.	Salvin-Godman Coll.
f''. Juv. sk.	Port Essington.	Gould Coll.
g'', *h''*. Ad. et juv. st.	Port Essington.	Capt. Chambers [P.].
i''. Ad. st.	New South Wales.	Australian Museum.
k''. ♂ imm. sk.	Ansevata, New Caledonia, Sept. 21 (*E. L. Layard*).	Seebohm Coll.
l''. ♂ ad. sk.	Lord Howe Island (*J. Macgillivray*).	Gould Coll.
m'', *n''*. Skulls.	N. Australia.	Voy. H.M.S. 'Rattlesnake.'

6. Numenius hudsonicus.

Hudsonian Curlew, *Lath. Gen. Syn. Suppl.* i. p. 243 (1787).
Scolopax borealis (*nec Forst.*), *Gm. Syst. Nat.* i. p. 654 (1788).
Numenius hudsonicus, *Lath. Ind. Orn.* ii. p. 712 (1790); ***Swains. Faun. Bor.-Amer., Birds***, p. 377 (1831); ***Audub. B. Amer.*** pl. ccxxxvii.; *id. Orn. Biogr.* iii. p. 283 (1835); ***Bp. Comp. List B. Eur. & N. Amer.*** p. 49 (1838); ***Audub. Orn. Biogr.*** v. p. 589 (1839); *Gould in Darwin's Voy. 'Beagle,' Birds*, p. 129 (1841: Chiloe); *Fraser, P. Z. S.* 1843, p. 117 (Chili); ***Audub. B. Amer.*** 8vo, vi. p. 42, pl. 356 (1843); *Gray, List Grall. Brit. Mus.* p. 94 (1844); *Holböll, Orn. Beitr. Faun. Grœnl.* p. 38 (1846); *Gray, Gen. B.* iii. p. 569 (1847); *Reichenb. Grall.* tab. ccclix. figs. 2815–16 (1850); *Licht. Nomencl. Av. Mus. Berol.* p. 91 (1854: Chili); *Bp. C. R.* xliii. p. 597 (1856); *Cass. U.S. Expl. Exped.* p. 315 (1858: San Lorenzo Isl., Peru, June); *id. in Baird's B. N. Amer.* p. 744 (1858); *G. C. Taylor, Ibis*, 1860, p. 313 (Fonseca Bay, Honduras); *Reinh. Ibis*, 1861, p. 10 (Greenland); *Boardm. Proc. Bost. Soc. Nat. Hist.* ix. p. 129 (1862: Maine); *Blakist. Ibis*, 1863, p. 134 (Hudson's Bay); *Schl. Mus. Pays-Bas*, Scolopaces, p. 100 (1864: Surinam; Chili); *Salvin, Ibis*, 1865, p. 190 (Guatemala); *Dresser, Ibis*, 1866, p. 40 (San Antonio, spring and autumn); *Salvin, t. c.* p. 190 (Chiapam); *Lawr. Ann. Lyc. N. Y.* viii. p. 100 (1867: Sombrero); *Scl. P. Z. S.* 1867, p. 333 (Chili); *Baird, Ibis*, 1867, p. 283; *Brown, Ibis*, 1868, p. 425 (Vancouver Isl.); *Coues, Proc. Bost. Soc. Nat. Hist.* xii. p. 123 (1868: S. Carolina); *Scl. & Salv. P. Z. S.* 1868, p. 176 (Tambo Valley); *Dall & Bann. Trans. Chic. Acad.* i. p. 293 (1869: St. Michael's, Alaska); *Finsch, Abh. nat. Ver. Bremen*, ii. p. 363 (1870: Mazatlan); *Allen, Bull. Harv. Coll. C. Z.* ii. p. 365 (1871: Florida); *Newton, P. Z. S.* 1871, p. 57, pl. iv. fig. 3 (egg); *Gray, Hand-l. B.* iii. p. 42, no. 10248 (1871); *Allen, Bull. Harv. Coll. C. Z.* iii. p. 356 (1872: Kansas); *Coues, Key N. Amer. B.* p. 263 (1872); *Snow, Birds Kansas*, p. 10 (1873); *Lilford, Ibis*, 1873, p. 98 (S. Spain); *Scl. & Salv. Nomencl. Av. Neotrop.* p. 146 (1873); *iid. P. Z. S.* 1873, p. 456; *Ridgw. Ann. Lyc. N. Y.* x. p. 385 (1874: Illinois); *Coues, B. N.-West*, p. 509 (1874); *Lawr. Mem. Bost. Soc. N. H.* ii.

p. 309 (1874); *id. Bull. U.S. Nat. Mus.* iv. p. 48 (1876); *Salvin, Trans. Zool. Soc.* x. p. 464 (1876: Indefatigable Isl.); *Tacz. P. Z. S.* 1877, p. 330 (Chimbote; Santa Lucia); *Reid, Zool.* 1877, p. 478 (Bermudas, Aug.); *Lawr. Proc. U.S. Nat. Mus.* i. p. 238 (1878: Antigua), p. 242 (Barbuda), p. 277 (Grenada), p. 451 (Guadeloupe), p. 488 (Lesser Antilles); *Maynard, B. East. N. Amer.* p. 390 (1879); *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 201 (1880); *Belding, op. cit.* v. p. 545 (1882: Lower California); *Coues, Check-list N. Amer. B.* p. 105 (1882); *Stearns, Proc. U.S. Nat. Mus.* vi. p. 119 (1883: Labrador); *Salvin, P. Z. S.* 1883, p. 420 (Parneas Bay, Oct.); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 315 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 645 (1884); *Turner, Proc. U.S. Nat. Mus.* viii. p. 248 (1885: Koksoak, Labrador); *Cory, List B. West Ind.* p. 27 (1885); *Beckham, Auk*, ii. p. 143 (1885: Pueblo, Colorado); *Murdoch, t. c.* p. 201 (Point Barrow); *Nelson, t. c.* p. 241 (Kotzebue Sound); *Agersb. t. c.* p. 287 (S.E. Dakota); *A.O.U. Check-l. N. Amer. B.* p. 150 (1886); *Tacz. Orn. Peruv.* ii. p. 380 (1886); *Salvin, Ibis*, 1886, p. 180 (British Guiana); *Brewst. Auk*, iii. p. 92 (1886: Ventura Co., California); *Nelson, Rep. Nat. Hist. Coll. Alaska*, p. 120 (1887); *MacFarlane, Ibis*, 1887, p. 208 (Chimbote, about 9° S. lat.); *Dresser, Auk*, iv. p. 264 (1887: Colorado); *Cory, t. c.* p. 320 (West Indies); *Wells, Proc. U.S. Nat. Mus.* x. p. 629 (1887: Grenada); *Ridgw. Man. N. Amer. B.* p. 171 (1887); *Beckham, Proc. U.S. Nat. Mus.* xi. pp. 653, 654 (1888: Bexar Co., Texas); *Scholtm, Geogr. Distr. Charadr.* p. 331 (1888); *Feilden, Ibis*, 1889, p. 497 (Barbados, Aug.); *Ridgw. Proc. U.S. Nat. Mus.* xii. pp. 120, 123 (1889: Indefatigable Isl.); *Cory, B. West Ind.* p. 241 (1889); *Clarke, Auk*, vi. p. 321 (1889: Hudson's Bay); *Cory, t. c.* p. 374 (Anegada); *Ridgw. op. cit.* viii. p. 339 (1891: Bahamas); *MacFarlane, Proc. U.S. Nat. Mus.* xiv. p. 429 (1891: Franklin Bay, Arctic America); *Hagerup, B. Greenl.* p. 55 (1891: once visitor); *Lawr. Auk*, ix. p. 43 (1892: Gray's Harbour); *Scott, t. c.* p. 212 (Caloosahatchie Region); *Mackay, t. c.* pp. 306, 345 (Nantucket, Mass.); *Cory, Cat. B. West Ind.* p. 94 (1892: Bahamas and Greater Antilles); *Jones, New List Chicago B.* p. 12 (1892); *Allen, Auk*, x. p. 123 (1893: Arctic America); *Mackay, t. c.* p. 370 (Massachusetts); *Chapm. Bull. Amer. Mus.* vi. p. 76 (1894: Trinidad); *Ichy, Ornis*, vi. p. 291 (1895).

Numenius rufiventris, *Vieill. Zool. Journ.* iv. p. 356 (1829: N.W. America = *Scol. Long-B. rufum*, p. 28 (1839).

Numenius hudsonicus, *Naumd. Beitr. Naturg. Brus.* iv. p. 708 (1839).

Numenius Carolinus, *Nuttall, Man. Orn.* ii. p. 97 (1834).

Numenius australis, *Nuttall, Man. Orn.* ii. p. 100 (1834).

American Wood-Curlew, *Nuttall, Man. Orn.* ii. p. 100 (1834).

Numenius phæopus hudsonicus, *Cab. in Schomb. Reis. Guian.* iii. p. 757 (1848); *Pr. Wied, Beitr.* p. 308 (1871: Carolina).

Phæopus hudsonicus, *Heerm. Proc. Acad. Nat. Sci. Philad.* 1859, p. 108 (R. Grande, New Mexico).

Numenius Phæopus hudsonius, *Coues, Proc. Acad. Nat. Sci. Philad.* 1864, p. 235 (Labrador).

Adult male in winter plumage. Similar to *N. phæopus*, with a distinct pale streak down the crown, the rest of which is deep brown, feathers of each side of the crown with a broad lateral band; lower back, rump, and tail pale brown barred with dusky and upper tail-coverts banded with sandy buff and dark

brown; tail-feathers ashy brown with blackish-brown bands, about nine in number; a distinct white eyebrow; lores brown; sides of face white, with minute streaks of brown; chin and upper throat white; remainder of under surface of body sandy buff, broadly streaked with brown on the lower throat, chest, and fore-neck, and barred with brown on the sides of the body; centre of breast, abdomen, and under tail-coverts whiter and uniform, excepting for a few brown bars on the latter; under wing-coverts and axillaries rufescent, thickly barred with dusky brown; quills below dusky brown, very distinctly notched on the inner web with fulvous bars: "bill brownish black, the basal half of the lower mandible flesh-colour; feet greyish blue, the claws black; iris dark brown" (*J. J. Audubon*). Total length 14 inches, culmen 3·7, wing 9·8, tail 3·8, tarsus 2·25.

Adult female in breeding-plumage. Similar to the male, and scarcely differing in size. Total length 17 inches, culmen 3·8, wing 10·1, tail 3·4, tarsus 2·3.

Adults in winter plumage. Only differ from the breeding-plumage in being less strongly marked on the under surface with spots and bars.

Young. Resemble the adults, but are quite as strongly barred and streaked underneath, though the markings on the chest are concentric or irregular bars. The upper surface is spotted with rufescent buff, the feathers of the back and especially the innermost secondaries being notched externally with this colour.

Hab. The whole of North America, breeding in the high north, and passing south in winter, when it visits nearly every country of South America. Once in Spain.

a, b. ♂ ♀ ad. sk.	St. Michael's, Alaska, May, June (*E. W. Nelson*: *Hensh. Coll.*)	Salvin-Godman Coll.
c. Ad. sk.	Hudson's Bay.	Riocour Coll. (Type of *N. rufus*, Vieill.)
d. Imm. sk.	Ipswich, Massachusetts, Sept. 1 (*C. J. Maynard*).	Seebohm Coll.
e, f. ♂ ad. sk.	Cobb's Island, Virginia, Aug. (*Hensh. Coll.*).	Salvin-Godman Coll.
g. Ad. sk.	Pennsylvania (*J. Krider*).	Seebohm Coll.
h. ♀ ad. sk.	Brownsville, Texas, April 26 (*F. B. Armstrong*).	Salvin-Godman Coll.
i. Ad. sk.	Mexico.	Seebohm Coll.
k, l. ♂ ♀ imm. sk.	Mazatlan, W. Mexico, Nov. (*A. Forrer*).	Salvin-Godman Coll.
m, n, o. Ad. sk.	Chiapam, Guatemala, Jan. (*O. S.*).	Salvin-Godman Coll.
p. Imm. sk.	Barbados.	Sir R. Schomburgk [C.].
q. Ad. sk.	Para.	R. Graham, Esq. [P.].
r. Ad. sk.	Cajutuba, Brazil (*J. Natterer*).	Salvin-Godman Coll.
s. ♀ imm. sk.	Tambo Valley, Peru, Oct. 16 (*H. Whitely*).	Tweeddale Coll.
t. ♀ ad. sk.	Paracas Bay, Peru, Oct. (*A. H. Markham*).	Salvin-Godman Coll.

u. ♂ ad. sk.	Viña del Mar, Tarapacá, Nov. 18 (*A. Lane*).	Berkeley James Coll.
v, w. ♂ ad. sk.	Aranca, Tarapacá, Aug. 18 (*A. Lane*).	Berkeley James Coll.
x. Ad. sk.	Island of Chiloe.	Sir W. Burnett & Admiral Fitzroy [P.].
y. ♂ ad. sk.	Talcahuano, Chili, Sept.	Dr. Coppinger [P.].
z. Ad. sk.	Province of Santiago, Chili (*Leybold*).	Salvin-Godman Coll.
a'. Ad. sk.	Chili (*E. C. Reed*).	Seebohm Coll.
b'. Ad. sk.	Charles Isl., Galapagos, Feb. (*A. H. Markham*).	Salvin-Godman Coll.
c'. ♀ ad. sk.	Indefatigable Isl., Galapagos Sept. (*Dr. Habel*).	Salvin-Godman Coll.
d'. ♂ ad. sk.	Indefatigable Isl., Galapagos, Aug.	Dr. Habel [C.].
e'. Skeleton.	N. America.	Salvin-Godman Coll.

7. Numenius tahitiensis.

Otaheite Curlew, *Lath. Gen. Syn.* iii. pt. 1, p. 122 (1785).

Scolopax tahitiensis, *Gm. Syst. Nat.* i. p. 656 (1788; *ex Lath.*).

Numenius tahitiensis, *Lath. Ind. Orn.* ii. p. 711 (1790); *Vieill. N. Dict. d'Hist. Nat.* viii. p. 308 (1817); *id. Enc. Méth.* iii. p. 1157 (1823); *Stephens, in Shaw's Gen. Zool.* xii. pt. 1, p. 32 (1824); *Gray, Gen. B.* iii. p. 589 (1847); *Bp. C. R.* xliii. p. 597 (1856); *Gray, Cat. B. Trop. Isl.* p. 49 (1859: Society Isl.; Cook's Isl.; New Caledonia; Sandwich Isl.; Christmas Isl.); *Finsch & Hartl. Faun. Centralpolyn.* p. 175 (1867); *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 230 (1880: Kadiak, Alaska), iv. p. 330 (1881); *Nelson, Cruise R. S. 'Corwin,'* p. 90 (1883: Bering Sea, coast of Alaska); *A. O. U. Check-l. N. Amer. B.* p. 159 (1886); *Towns. Auk*, iv. p. 12 (1887: N. Alaska); *Nelson, Rep. Nat. Hist. Coll. Alaska*, p. 121 pl. ix. (1887: St. Michael's); *Seebohm, Geogr. Distr. Charadr.* p. 332 (1888); *Lister, P. Z. S.* 1891, p. 209 (Phœnix Isl.); *Wiglesw. Av. Polyn., Abh. k. Zool. Mus. Dresd.* 1890-91, p. 68 (1892: Marianne Isl.; Society Isl.; Marquesas Isl.; Paumotu Isl.; Hervey Isl.; Fanning Group); *Scott Wilson & Evans, Aves Hawaiienses*, part iii. (1892); *Rothschild, Avifauna Laysan*, pt. i. p. 17 (1893).

Scolopax phæopus, *Forst. Icon. ined.* pl. 131 (Otaheite); *id. Descr. Anim.* p. 242 (1844).

Numenius femoralis, *Peale, U.S. Exped., Birds*, p. 233, pl. 64 (1848); *Hartl. Arch. für Nat.* 1852, p. 120 (Paumotu Group); *id. J. f. O.* 1854, p. 170; *Bp. C. R.* xliii. p. 579 (1856); *Cass. U.S. Expl. Exped.* p. 316, pl. xxxvii. (1858: Vincennes Isl., Paumotu Group); *Gray, Cat. B. Trop. Isl.* p. 50 (1859: Paumotu Isl.); *Gray, Hand-l. B.* iii. p. 43, no. 10257 (1871); *Ridgw. Amer. Nat.* 1874, p. 425; *Streets, Bull. U.S. Nat. Mus.* no. 7, p. 19 (1877: Fanning Isl.); *Finsch, Ibis*, 1880, pp. 220, 331 (Taluit, Marshall Isl.), pp. 432, 433 (Gilbert Isl.); *Tristr. Ibis*, 1881, p. 251 (Marquesas Isl.); *Ridgw. Proc. U.S. Nat. Mus.* iv. p. 330 (1881); *Tristr. Ibis*, 1883, p. 47 (Fanning Isl.); *Stejn. Proc. U.S. Nat. Mus.* x. p. 83 (1889: Kauai).

Numenius [illegible], *Gray, Cat. B. Trop. Isl.* p. 50 (1859: Marianne Isl.; Gilbert Isl.).

Numenius phæopus (pt.), *Schl. Mus. Pays-Bas*, Scolopaces, p. 94 (1864).

Numenius australis (*nec Gould*), *Dole, Proc. Bost. Soc. Nat. Hist.* xii. p. 303 (1869: Hawaiian Isl.).
Numenius taitensis, *Coues, Check-l. N. Amer. B.* p. 105 (1882); *id. Key N. Amer. B.* 2nd ed. p. 646 (1884).
Numenius tibialis, *E. L. & E. L. C. Layard, Ibis*, 1882, p. 533; *Tristr. t. c.* p. 534, note.

Adult male. Very similar to *N. hudsonicus*, but much more uniform below, and easily recognizable by the curious hair-like elongations of the shafts of the thigh-feathers; the throat and chest streaked with brown, and the sides of the body somewhat sparsely barred with brown; the axillaries and under wing-coverts pale rufescent, broadly barred with dusky brown. Upper surface of body darker than in *N. hudsonicus*, with large spots and notches of rufous-buff, the lower back and rump like the rest of the back; the upper tail-coverts uniform rufous-buff, only the longer ones with dusky bars; centre tail-feathers ashy brown, the rest pale rufous-buff, all barred with dark brown, the bars about 6 or 7 in number: "bill blackish brown, the base of the lower mandible dull flesh-colour, the tip darkest; feet bluish; iris dark hazel" (*H. C. Palmer*). Total length 18·5 inches, culmen 3·7, wing 9·8, tail 4·1, tarsus 2·2.

Adult female. Similar to the male in plumage. Total length 17 inches, culmen 3·7, wing 8·2, tail 3·7, tarsus 2·16.

Hab. North-western North America (rarely), visiting most of the islands of the Pacific Ocean, in some of which it is believed to breed.

a, b. ♂ ♀ ad. sk.	Canton Island, Phœnix Group, July 2.	J. J. Lister, Esq. [P.].
c. Ad. sk.	Molokai Isl., Hawaiian Archipelago (*R. C. L. Perkins*).	Roy. Soc. & Brit. Assoc. Joint Committee [P.].

8. Numenius borealis.

Scolopax borealis, *Forster, Phil. Trans.* lxii. pp. 411, 431 (1772).
Eskimaux Curlew, *Lath. Gen. Syn.* iii. pt. 1, p. 125 (1785).
Numenius borealis, *Lath. Ind. Orn.* ii. p. 712 (1790); *Audub. B. Amer.* pl. ccviii. (c. 1826); *Swains. Faun. Bor.-Amer., Birds*, p. 378, pl. 65 (1831: Point Lake, breeding); *Audub. Orn. Biogr.* iii. p. 69 (1835); *Bp. Comp. List B. Eur. & N. Amer.* p. 49 (1838); *Vigors, Voy. 'Blossom,'* p. 28 (1839); *Audub. Orn. Biogr.* v. p. 590 (1839); *id. B. Amer.* 8vo, vi. p. 45, pl. 357 (1843); *Giraud, B. Long Isl.* p. 274 (1844); *Gray, List Grall. Brit. Mus.* p. 94 (1844); *id. Gen. B.* iii. p. 569 (1847); *Putn. Proc. Essex Inst.* i. p. 218 (1856: Massachusetts); *Bp. C. R.* xliii. p. 597 (1856); *Baird, B. N. Amer.* p. 744 (1858); *Reinh. Ibis*, 1861, p. 10 (Greenland); *Salvin, t. c.* p. 356 (San Gerónimo, Guatemala); *Boardm. Proc. Bost. Soc. Nat. Hist.* ix. p. 129 (1862: Maine); *Allen, Proc. Ess. Inst.* iv. p. 87 (1864: Massachusetts); *Schl. Mus. Pays-Bas*, Scolopaces, p. 101 (1864: Brazil); *Lcot. Ois. Trinid.* p. 444 (1866); *Sel. P. Z. S.* 1867, p. 333 (Chili); *Coues, Proc. Bost. Soc. Nat. Hist.* xii. p. 123 (1868: S. Carolina); *Dall & Bann. Trans. Chic. Acad.* i. p. 293 (1869; Fort Yukon); *Allen, Bull. Harv. Coll. C. Z.* ii. p. 356 (1871: not observed in Florida); *Newton, P. Z. S.* 1871, p. 56, pl. 4. fig. 1 (Arctic coast

east of Anderson river); *Gray, Hand-l. B.* iii. p. 42, no. 10255 (1871); *Brooke, P. Z. S.* 1871, p. 299 (Sligo); *R. Gray, B. West Scotl.* p. 290 (1871: Aberdeen, Sept.); *Allen, Bull. Mus. C. Z.* iii. p. 182 (1872: Kansas, June); *Coues, Key N. Amer. B.* p. 263 (1872); *Dresser, B. Eur.* viii. p. 221, pl. 575 (1873); *Scl. & Salv. Nomencl. Av. Neotr.* p. 146 (1873); *iid. P. Z. S.* 1873, p. 456; *Coues, B. N.-West*, p. 510 (1874); *Ridgw. Ann. Lyc. N. Y.* x. p. 385 (1874: Illinois); *Reid, Zool.* 1877, p. 478 (Bermudas); *Sennett, Bull. U.S. Geol. Surv.* iv. p. 56 (1878: Corpus Christi); *Durnf. Ibis*, 1878, p. 44 (Chupat Valley); *Merrill, Proc. U.S. Nat. Mus.* i. p. 162 (1878: Fort Brown); *Grundl. Anal. Soc. Esp. Hist. Nat.* vii. p. 367 (1878: Porto Rico); *Maynard, B. East. N. Amer.* p. 400 (1879); *Kumlien, Bull. U.S. Nat. Mus.* no. 15, p. 88 (1879); *Harting, Zool.* 1879, p. 135 (Aberdeenshire); *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 201 (1880); *Reinh. Vid. Medd. Kjobenh.* 1881, p. 183 (Greenland); *Harvie-Brown, Proc. Nat. Hist. Glasgow*, 1881, p. 314 (Kincardineshire); *Elliott, Mon. Seal-Isl. Alaska*, p. 130 (1882); *Salvin, P. Z. S.* 1883, p. 420 (Charles Isl., Galapagos); *Nelson, Cruise R. S. 'Corwin,'* p. 90 (1883: Norton Sound; Siberia); *B. O. U. List Brit. B.* p. 178 (1883); *Saunders, ed. Yarrell's Brit. B.* iii. p. 512 (1883); *Stearns, Proc. U.S. Nat. Mus.* vi. p. 120 (1883: Labrador); *Barrows, Auk*, i. p. 316 (1884: Concepcion Isl., Lower Uruguay); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 318 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 646 (1884); *Turner, Proc. U.S. Nat. Mus.* viii. p. 248 (1885); *Cory, List B. West Ind.* p. 27 (1885); *Murdoch, Auk*, ii. p. 63 (1885: Point Barrow, Alaska); *Lawr. t. c.* p. 273 (Long Isl.); *Agersh. t. c.* p. 287 (S.E. Dakota); *Seebohm, Hist. Brit. B.* iii. p. 94, pl. 33, fig. 3 (1885); *A. O. U. Check-l. N. Amer. B.* p. 159 (1886); *Nelson, Rep. Nat. Hist. Coll. Alaska*, p. 121 (1887); *Ridgw. Man. N. Amer. B.* p. 171 (1887); *Wells, Proc. U.S. Nat. Mus.* ix. p. 629 (1887: Grenada); *Irby, Key List Brit. B* p. 49 (1888); *Beckham, Proc. U.S. Nat. Mus.* x. p. 637 (1888: Bexar Co.), p. 654 (San Antonio); *Seebohm, Geogr. Distr. Charadr.* p. 333 (1888); *Saunders, Man. Brit. B.* p. 615 (1889); *Cory, B. West Ind.* p. 241 (1889); *Scl. & Huds. Argent. Orn.* ii. p. 102 (1889); *MacFarl. Proc. U.S. Nat. Mus.* xiv. p. 429 (1891: Fort Anderson); *Oust. Mis. Sci. Cap Horn, Ois.* p. 200 (1891); *Mackay, Auk*, ix. p. 16 (1892: New England); *Scott, t. c.* p. 212 (Caloosahatchie Region, Florida); *Cory, Cat. B. West Ind.* p. 94 (1892: Greater and Lesser Antilles); *James, New List Chilian B.* p. 12 (1892); *Mackay, Auk*, x. p. 70 (1893: Nantucket, Mass.); *Allen, t. c.* p. 123; *Tacz. Mém. Acad. Imp. St. Petersb.* xxxix. p. 946 (1893).

? Chorlito campesino, *Azara, Apunt.* iii. p. 310 (1803).

Numenius brevirostris, *Licht. Verz. Doubl.* p. 72 (1823: Montevideo); *Temm. Pl. Col.* v. pl. 381 (1825); *Gould, in Darwin's Voy. 'Beagle,' Birds*, p. 129 (1841: Buenos Ayres); ? *Hartl. Ind. Azara*, p. 25 (1847); *Reichenb. Grall.* tab. lxxviii. fig. 546 (1850); *Abbott, Ibis*, 1861, p. 156 (Falkland Isl.); *Pelz. Orn. Bras.* p. 308 (1871: Ypanema).

? Tringa campestris, *Vieill. Enc. Méth.* iii. p. 1087 (1823).

Small Esquimaux Curlew, *Nuttall, Man. Orn.* ii. p. 101 (1834).

Numenius hemirhynchus, *Temm., teste Bp. C. R.* xliii. p. 597 (1856).

Numenius (Phæopus) borealis, *Coues, Proc. Acad. Nat. Sci. Philad.* 1861, p. 236 (Labrador).

Numenius microrhynchus, *Phil. & Landb. Arch. für Nat.* 1868, p. 129 (Chili); *Gray, Hand-l. B.* iii. p. 43, no. 10256 (1871).
Esquimaux Curlew, *Blake-Knox, Zool.* 1870, p. 2408 (Sligo); *Harvie-Brown, Zool.* 1880, p. 485 (Kincardineshire).
Phæopus borealis, *Heine & Reichen. Nomencl. Mus. Hein.* p. 326 (1890).

Adult male in breeding-plumage. Similar to *N. hudsonicus*, but very small, more rufescent underneath, and easily distinguished by its uniform primaries, which have no pale notches on the inner web, but sometimes show slight indications of frecklings along the inner margin; the lower back and rump dark like the upper back, not white; the lower throat and chest streaked with blackish, the latter having numerous sagittate markings, very distinct on the flanks; the axillaries and under wing-coverts cinnamon-rufous, barred with dark brown: "bill brownish black, the lower mandible flesh-colour at the base; feet greyish blue, claws black; iris dark brown" (*J. J. Audubon*). Total length 13·5 inches, culmen 2·5, wing 8·6, tail 3·2, tarsus 1·8.

Adult female in breeding-plumage. Similar to the male. Total length 14 inches, culmen 2·4, wing 8·7, tail 3·15, tarsus 1·8.

Young. Recognized by the spotted character of the upper surface, which is uniform brown, with scattered spots and notches of rufous-buff on the plumage, especially on the innermost secondaries; the streaks plentiful on the throat and neck; the chest and breast with irregular and sagittate markings of dusky brown, which are also very distinct on the sides of the body.

Hab. North America, wintering in South America.

a, b. Ad. sk.	North America.	J. J. Audubon, Esq.
c, d. ♂ ad.; *e.* ♀ ad. sk.	St. Michael's, Alaska, May, July (*E. W. Nelson*: *Hensh. Coll.*)	Salvin-Godman Coll.
f. Ad. sk.	Fort Good Hope.	B. R. Ross, Esq. [P.].
g. Ad. sk.	Fort Simpson (*B. McDonald*).	Salvin-Godman Coll.
h. Ad. sk.	Henley Harbour, Coast of Labrador, Aug. 23 (*E. Coues*).	Salvin-Godman Coll.
i, k. Ad. sk.	Henley Harbour, Aug. (*E. Coues*).	Seebohm Coll.
l. ♀ ad. sk.	Massachusetts, Sept. 10.	Tweeddale Coll.
m. ♂ ad. sk.	Massachusetts, Oct. 10 (*Hensh. Coll.*).	Salvin-Godman Coll.
n–w. ♂ ♀ ad. sk.	Brownsville, Texas, March (*F. B. Armstrong*).	Salvin-Godman Coll.
x. ♂ ad. sk.	San Geronimo, Vera Paz, Guatemala, April (*R. Owen*).	Salvin-Godman Coll.
y. Ad. sk.	Grenada, West Indies, Sept. 22 (*D. W. Smith*).	Salvin-Godman Coll.
z Ad. sk.	Barbados.	Sir R. Schomburgk [C.].
a'. ♂ ad. sk.	Xavier, Brazil, Oct. (*J. Natterer*).	Salvin-Godman Coll.

♂. Ad. st.	Paraguay.	E. Wilson, Esq. [P.].
♀. Ad. ak.	Paraguay, Oct. 9.	Alan Peel, Esq. [P.].
♂,♀. Ad. ak.	Chupat, Patagonia, Oct., Nov.	H. Durnford, Esq. [P.].

42. MESOSCOLOPAX.

Numenius, pt., *auct. recent.*

Range. From Eastern Siberia and Japan south through China to the Moluccas and Australia.

1. Mesoscolopax minutus.

Numenius minutus, *Gould, P. Z. S.* 1840, p. 176 (New South Wales); *Gray, Gen. B.* iii. p. 569 (1847); *Gould, B. Austr.* vi. pl. 49 (1848); *Reichenb. Grall.* tab. xcvii. figs. 2820 21 (1850); *Temm. & Schl. Faun. Jap., Aves*, p. 111, pl. 67 (1850); *Macg. Narr. Voy. Rattlesn.* ii. p. 358 (1852); *Bp. C. R.* xliii. p. 597 (1856); *Gray, P. Z. S.* 1858, p. 197; *id. Cat. Mamm. & B. New Guin.* p. 53 (1859); *Swinh. P. Z. S.* 1863, p. 317 (Amoy); *Schl. Mus. Pays-Bas, Scolopaces*, p. 101 (1864: Japan; Amboyna); *Gould, Handb. B. Austr.* ii. p. 280 (1865); *Schl. Nederl. Tijdschr. Dierk.* iii. p. 348 (1866); *Taez. J. f. O.* 1871, p. 60; *Swinh. P. Z. S.* 1871, p. 469 (Amoy); *Wald. Trans. Zool. Soc.* viii. p. 96 (1872: Celebes); *Swinh. Ibis*, 1873, p. 426 (Chefoo); *Taez. J. f. O.* 1873, p. 103 (E. Siberia), 1874, p. 336; *Salvad. Ucc. Born.* p. 334 (1874); *Swinh. Ibis*, 1875, p. 132 (Chefoo); *Taez. Bull. Soc. Zool. France*, i. p. 254 (1876: Kultuk; Dauria); *David & Oust. Ois. Chine*, p. 458 (1877: Mongolia in summer; Shanghai, April & May); *Masters, Proc. Linn. Soc. N. S. W.* i. p. 61 (1877: Cape York); *Casteln. & Ramsay, t. c.* p. 385 (Gulf of Carpentaria); *Salvad. Orn. Papuana, etc.* iii. p. 334 (1882); *Bogd. Consp. Av. Imp. Ross.* p. 84 (1884: Basin of the Lena; Lake Baikal; Dauria); *Meyer, Zeitschr. Ges. Orn.* i. p. 295 (1884: Aru Isl.); *Seebohm, Ibis*, 1884, p. 34 (Japan), p. 208 (Kiukiang); *id. Ibis*, 1885, p. 303 (Yokohama), *id. Geogr. Distr. Charadr.* p. 335 (1888); *id. B. Jap. Emp.* p. 317 (1890); *Salvad. Agg. Orn. Papuasia, etc.* iii. p. 205 (1891). *Styan, Ibis*, 1891, p. 331 (Lower Yangtse, migrant), p. 508 (Shanghai, April; Kiukiang, Sept.); *De La Touche, Ibis*, 1892, p. 501 (Foochow, April); *Taez. Mem. Acad. Imp. St. Petersb.* (7) xxxix. p. 947 (1893).

Numenius minor (*nec Leach*), *S. Müll. Verh. Land- en Volk.* p. 110 (1839–44); *Gray, Gen. B.* iii. p. 569 (1847); *id. P. Z. S.* 1860, p. 346 (Batchian; Amboyna); *Swinh. Ibis*, 1861, p. 411 (Amoy); *id. Ibis*, 1863, p. 400 (Formosa); *Rosenb. J. f. O.* 1864, p. 137; *Finsch, New-Guinea*, p. 182 (1865); *Gray, Hand-l. B.* iii. p. 43 no. 10255 (1871); *Dresser, B. Eur.* viii. p. 245 (1873); *Ramsay, P. Z. S.* 1877, p. 339 (Lower Darling R.); *id. Proc. Linn. Soc. N. S. W.* ii. p. 198 (1878); *Masters, t. c.* p. 275 (Port Darwin); *Blakist & Pryer, Ibis*, 1878, p. 222 (Japan); *Rosenb. Malay. Archip.* p. 386 (1878); *Legge, B. Ceylon*, p. 911 (1880); *Ramsay, Tab. List Austr. B.* p. 20 (1888: Port Darwin; Port Essington, Gulf of Carpentaria; Richmond & Clarence R.; N. S. W.; Victoria & S. Australia; W. & S.W. Australia).

? Numenius brevirostris (*nec Licht.*), *Rosenb. Nat. Tijdschr. Nederl. Ind.* xxv. p. 255 (1863); *id. J. f. O.* 1864, p. 137.

Adult female. General colour above blackish, mottled with sandy-buff spots and margins to the feathers; wing-coverts blackish brown, with sandy-buff edges inclining to whitish on the greater coverts, which show traces of dusky bars; lesser wing-coverts as well as the bastard-wing, primary-coverts, and quills blackish brown; first primary with a white shaft, all the quills rather paler brown on the inner web, the long inner secondaries tawny on both webs, with dark brown centres and notches; lower back, rump, and upper tail-coverts blackish, mottled with spots of ashy white, with which colour also the feathers are tipped; upper tail-coverts regularly barred with ashy and blackish; tail-feathers ashy grey narrowly barred with blackish, the bars being six in number, but not always strictly continuous across the feathers; crown of head blackish, the feathers slightly margined with sandy buff; along the centre of the crown a pale streak of the latter colour; lores, eyebrow, and sides of face uniform isabelline buff; upper margins of the ear-coverts slightly streaked with dark brown; throat whitish; lower throat and fore-neck sandy buff like the sides of the body, the former streaked, and the latter barred with dusky brown; centre of breast, abdomen, and under tail-coverts isabelline whitish; under wing-coverts and axillaries pale sandy buff, with bars of dusky brown, mostly triangular in shape, the axillaries having a slight vinaceous tinge: "bill blackish brown, flesh-colour at the base of the lower mandible; feet grey; iris dark brown" (*Dybowski*). Total length 13 inches, culmen 1·75, wing 7·1, tail 2·85, tarsus 1·8.

Hab. Breeds in Eastern Siberia and Mongolia, and passes through Japan and China on its migrations to the Moluccas and Australia.

a. ♀ ad. sk.	Shanghai, April.	Shanghai Museum.
b, *c*. Ad. sk.	Port Albany, Cape York.	Purchased.
d, *e*. Ad. sk.	Queensland.	Salvin-Godman Coll.
f. ♂ ad. sk.	Maitland, New South Wales, April.	J. Gould, Esq.

43. LIMOSA.

	Type.
Limosa, *Briss. Orn.* v. p. 261 (1760)	L. lapponica.
Actitis, pt., *Illig. Prodr.* p. 262 (1811)	L. lapponica.
Limicula, *Vieill. N. Dict. d'Hist. Nat.* iii. p. 245 (1816)	L. lapponica.
Fedoa, *Stephens, Gen. Zool.* xii. pt. 1, p. 70 (1824)	L. fedoa.

Range. Almost cosmopolitan.

Key to the Species.

a. Axillaries white, with or without dusky bars.
  a'. Tail regularly barred with black and white.
    a''. Lower back and rump white, with a few dusky spots ..... *lapponica*, p. 373.

b''. Lower back and rump dusky brown with white edgings to the feathers, which have also white bars ..... *novæ zealandiæ*, p. 377.

b'. Tail black; with a white base to the inner primaries ..... *limosa*, p. 381.

b. Axillaries slaty blackish like the under wing-coverts; tail black with a white base .... *hudsonica*, p. 388.

c. Axillaries cinnamon rufous like the under wing-coverts and quill-lining; tail banded with dusky brown and rufous ..... *fedoa*, p. 391.

1. Limosa lapponica.

Bar-tailed Godwit.

The Godwit or Yarwelph, *Albin, Nat. Hist. B.* ii. p. 64 (1738, nec tab.).

La Grande Barge grise, *Briss. Orn.* v. p. 272, pl. xxiv. fig. 2 (1760).

La Barge rousse, *Briss. t. c.* p. 281, pl. xxv. fig. 1; *D'Aubent, Pl. Enl.* viii. pl. 900; *Buff. Hist. Nat. Ois.* vii. p. 505 (1780).

La Grande Barge rousse, *Briss. Orn.* v. p. 284 (1760).

Scolopax lapponica, *Linn. Syst. Nat.* i. p. 246 (1766).

Scolopax ægocephala, *Linn. Syst. Nat.* i. p. 246 (1766); *Gm. Syst. Nat.* i. p. 667 (1788).

Common Godwit, *Lath. Gen. Syn.* iii. pt. i. p. 144 (1785).

Scolopax leucophæa, *Lath. Ind. Orn.* ii. p. 719 (1790).

Tringa gregaria, *Otto, Buffon, Uebers.* vol. xxvi. p. 242 (1797: *teste Dresser*).

Totanus ægocephalus, *Bechst. Orn. Taschenb.* ii. p. 288 (1803).

Totanus leucophæus, *Bechst. t. c.* p. 289.

Totanus ferrugineus, *Meyer, Taschenb.* ii. p. 374 (1810).

Limosa ferruginea, *Pallas, Zoogr. Rosso-Asiat.* ii. p. 180 (1811).

Limosa meyeri, *Leisler, Nachtr. Bechst. Naturg.* ii. p. 172 (1815); *Brehm, Vog. Deutschl.* p. 627 (1831); *Naum. Vög. Deutschl.* viii. p. 428, pl. 214 (1836); *Nordm. in Démid. Voy. Russ. Mérid.* iii. p. 254 (1840); *Reichenb. Grall.* tab. lxxvi. figs. 587–88 (1850).

Limosa noveboracensis, *Leach, Syst. Cat. Mamm. etc. Brit. Mus.* p. 32 (1816).

Limosa ægocephala, *Leach, t. c.* p. 32 (1816); *Seebohm & Harvie-Brown, Ibis*, 1876, p. 202 (Lower Petchora); *Biddulph, Ibis*, 1881, p. 90 (Gilgit); *Scully, t. c.* p. 588.

Limicula meyeri, *Vieill. N. Dict. d'Hist. Nat.* iii. p. 249 (1816).

Limicula lapponica, *Vieill. t. c.* p. 250; *Roux, Orn. Prov.* pl. 305 (1825).

Limosa leucophæa, *Cuvier, Règne Anim.* p. 488 (1817).

Limosa rufa, *Temm. Man. d'Orn.* ii. p. 608 (1820); *Werner, Atlas, Grall.* pl. 25 (1827); *Fleming, Brit. Anim.* p. 107 (1828); *Brehm, Vog. Deutschl.* p. 628 (1831); *Less. Traité d'Orn.* p. 554 (1831); *Ménétr. Cat. Rais. Casp.* p. 51 (1832); *Jenyns, Man. Brit. Vertebr.* p. 202 (1835); *Gould, B. Eur.* iv. pl. 306 (1837); *Bp. Comp. List B. Eur. & N. Amer.* p. 52 (1838); *Crespon, Orn. Gard*, p. 437 (1840); *Keys. & Blas. Wirb. Eur.* pp. lxxiv, 213 (1840); *Nordm. in Démid. Voy. Russ. Mérid.* iii. p. 255 (1840: Caspian); *Webb & Berth. Orn. Canar.* p. 38 (1841); *Schl. Rev. Crit.* p. lxxxvii (1844); *Mühle, Beitr. Orn. Griechenl.* p. 102 (1844); *Thomps. B. Ire.* ii. p. 225 (1850); *Reichenb. Grall.* tab. lxxvi. figs. 585–86 (1850); *Kjærb. Danm. Fugle*, pl. xxxiii. *b* (1851); *Macgill. Brit. B.* iv. p. 200 (1852); *Schl. Vog. Nederl.* pl. 226 (1854); *Licht. Nomenel. Av. Mus. Berol.* p. 91 (1854); *Hewits. Eggs Brit.*

B. ii. p. 343, pl. 94 (1856); *Hartl. Orn. West-Afr.* p. 233 (1857: Gambia); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 475 (1859); *Heugl. Ibis*, 1859, p. 347 (Red Sea); *Powys, Ibis*, 1860, p. 343 (Butrinto, Sept.); *Heugl. t. c.* p. 430; *Lindern. Vög. Griechenl.* p. 140 (1860); *Schl. Dier. Nederl. Vogels*, pl. 23. figs. 3, 4 (1861); *id. Mus. Pays-Bas*, Scolopaces, p. 23 (1864); *Wright, Ibis*, 1864, p. 146 (Malta); *Sperling, t. c.* p. 287 (Missolonghi, Nov.); *Blyth, Ibis*, 1865, p. 36; *Degl. et Gerbe, Orn. Eur.* ii. p. 169 (1867); *Gould, B. Gt. Brit.* iv. pl. 51 (1868); *Collett, Norges Fugle*, p. 56 (1868); *Sundev. Sv. Fogl.* pl. xxxviii. fig. 4 (1869); *Borggr. Vogelf. Norddeutschl.* p. 115 (1869); *Droste, Vogelw. Borkum*, p. 202 (1869); *Doderl. Avif. Sicil.* p. 183 (1869); *Wright, Ibis*, 1869, p. 251 (Malta); *Fritsch, Vög. Eur.* tab. 39. figs. 7, 12 (1870); *Stevens. B. Norf.* ii. p. 253 (1870); *Finsch & Hartl. Vög. Ost-Afr.* p. 742 (1870); *Salvad. Faun. Ital., Ucc.* p. 223 (1871); *Gray, B. West Scotl.* p. 306 (1871); *Hume, Ibis*, 1872, p. 468 (Sind); *Alston & Harvie-Brown, Ibis*, 1873, p. 69 (Archangel); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1155 (1873); *Hume, Str. F.* i. pp. 45, 139, 235 (1873: Karachi); *Saxby, B. Shetl.* p. 196 (1874); *Fallon, Ois. Belg.* p. 177 (1875); *Tacz. Bull. Soc. Zool. France*, ii. p. 158 (1877: Poland, rare); *Bogd. B. Cauc.* p. 156 (1879); *Gigl. Ibis*, 1881, p. 210 (Florence); *Milne-Edwards & Grandidier, Hist. Nat. Madag., Ois.* p. 631, pl. 255 (1882); *Seebohm, Ibis*, 1882, p. 382 (Archangel), 1883, p. 29 (Caucasus); *Chapm. Ibis*, 1884, p. 199 (Portugal); *Bogd. Consp. Av. Imp. Ross.* p. 86, pt. (1884); *Radde, Orn. Cauc.* pp. 45, 435 (1884: to 6,300 ft., on migration); *Gigl. Avif. Ital.* p. 401 (1886); *Seebohm, Geogr. Distr. Charadr.* p. 384 (1888); *Gigl. Avif. Ital.* 1st *Resoc.* p. 608 (1889), 2nd *Resoc.* p. 654 (1890), 3rd *Resoc.* p. 513 (1891); *Madarász, Erlaut. Ausst. Ungar. Vogelf.* p. 108 (1891); *Seebohm, Ibis*, 1892, p. 22 (Heligoland).

Fedoa meyeri, *Stephens in Shaw's Gen. Zool.* xii. p. 75 (1824).

Fedoa rufa, *Stephens, t. c.* p. 77.

Fedoa pectoralis, *Stephens, t. c.* p. 79.

The Bar-tailed Godwit, *Yarrell, Brit. B.* ii. p. 569 (1843).

Limosa lapponica, *Gray, List Grall. Brit. Mus.* p. 96 (1844); *id. Gen. B.* iii. p. 570 (1847); *Bp. C. R.* xliii. p. 597 (1856); *Gray, Cat. Brit. B.* p. 155 (1863); *Loche, Expl. Sci. Algér., Ois.* ii. p. 330 (1867); *Smith, Ibis*, 1868, p. 454 (Portugal); *Drake, Ibis*, 1869, p. 154 (Tangiers); *Elwes & Buckley, Ibis*, 1870, p. 331 (Epirus); *Gray, Hand-l. B.* iii. p. 43, no. 10259 (1871); *Harting, Handb. Br. B.* p. 53 (1872); *Dresser, B. Eur.* viii. p. 203, pl. 573. fig. 1, pl. 574. fig. 2 (1872); *Palmén, Finlands Foglar*, p. 127 (1872); *Durnf. Ibis*, 1874, p. 400 (N. Frisian Isl., May); *Irby, Orn. Str. Gibr.* p. 170 (1875); *Blanf. East. Persia*, ii. p. 283 (1876: Caspian); *Hume, Str. F.* viii. p. 112 (1879); *Butler, Cat. B. Sind etc.* p. 62 (1879: Karachi Harbour); *Seebohm, Ibis*, 1879, p. 152 (Brek-Koff-sky); *B. O. U. List Brit B.* p. 177 (1883); *Irby, Ibis*, 1883, p. 186 (Santander); *Saunders, ed. Yarrell's Brit. B.* iii. p. 494 (1883); *Murray, Vertebr. Faun. Sind*, p. 244 (1884); *Salvad. Elenco Ucc. Ital.* p. 229 (1886); *Tait, Ibis*, 1887, p. 392 (Portugal); *Ridgw. Man. N. Amer. B.* p. 163 (1887); *Harvie-Brown & Buckley, Vertebr. Faun. Sutherl., Caithn. & West Cromarty*, p. 224 (1887); *iid. Vertebr. Faun. Outer Hebr.* p. 136 (1888); *Irby, Key List Brit. B.* p. 49 (1888); *Saunders, Man. Brit. B.* p. 607 (1889); *Reichen. Syst. Verz. Vög. Deutschl.* p. 47 (1889); *Brusina, Motr. etc. (Orn. Croatica)*, p. 90 (1890); *Frivaldsky,*

Av. Hung. p. 138 (1891); *Harvie-Brown & Buckley, Vertebr. Faun. Orkney Isl.* p. 221 (1891); *iid. Vertebr. Faun. Argyll & Inner Hebr.* p. 182 (1892); *Macph. Vertebr. Faun. Lakeland*, p. 402 (1892); *Sibree, Ibis*, 1892, p. 115 (Madagascar); *Hartert, t. c.* p. 514; *Fatio & Studer, Cat. distrib. Ois. Suisse*, p. 46 (1892); *Lilford, Col. Fig. Brit. B.* part xxii. (1892); *Meade-Waldo, Ibis*, 1893, p. 205 (Canaries); *Tacz. Mém. Acad. Imp. St. Pétersb.* (7) xxxix. p. 932 (1893); *Pearson & Bidwell, Ibis*, 1894, p. 235 (N. Norway); *Irby, Orn. Str. Gibr.* 2nd ed. p. 288 (1895).

Totanus rufus, *Seebohm, Hist. Brit. B.* iii. p. 156 (1885).

Adult male in breeding-plumage. General colour above blackish, mottled with chestnut-red, with which each feather is notched or margined; wing-coverts dark brown, with white edgings to the feathers, a little broader on the inner webs of the greater series, many of the coverts tinged with chestnut, especially the inner greater coverts; bastard-wing, primary-coverts, and quills blackish, the primaries lighter brown on the inner web, freckled towards its base, which is whitish, the first primary with a white shaft, the rest with brown shafts; secondaries brown, edged with white, and with a longitudinal subterminal mark of white along the inner web; the innermost secondaries like the back, blackish notched with rufous; lower back and rump white, mottled with spear-shaped spots of black; the upper tail-coverts barred with black and white, or chestnut and black; tail-feathers brown or greyish brown, tipped with white and barred across with white, the white bars sometimes tinged with chestnut; crown of head chestnut, streaked with blackish-brown centres to the feathers, narrower on the hind-neck; a broad chestnut eyebrow; lores and sides of face chestnut, with numerous blackish spots on the former; under the eye a whitish spot; entire under surface of body chestnut, with blackish streaks on the sides of the upper breast; under wing-coverts and axillaries white, with indistinct spots on the former, and bars on the latter of dusky brown; quills dusky below, with more or less white on the inner webs: "bill flesh-colour, dusky on its terminal half; feet greyish blue, toes darker, claws black; iris brown" (*W. Macgillivray*). Total length 15·5 inches, culmen 2·65, wing 7·9, tail 2·8, tarsus 1·8.

Adult female. Similar to the male, but with a longer bill, and apparently never becoming so entirely chestnut below or on the sides of the face and neck. Total length 16 inches, culmen 3·9, wing 8·25, tail 2·95, tarsus 1·8.

The pair above described were shot by myself on the 14th of May, 1880. The female has very little black spotting on the rump, and the breast is for the most part white, with an admixture of pale chestnut, with considerable remains of arrow-head bars on the flanks. Even on the back the chestnut is not so pronounced as in the male.

Adult in winter plumage. Ashy brown above, with longitudinal black centres to the feathers, and evident ashy-white margins, the wing-coverts like the back, and the white edges very strongly marked;

wings and tail as in the summer plumage, but the bars lighter brown and not so black, and those on the outer tail-feathers considerably broken up; lower back, rump, and upper tail-coverts pure white, with a few arrowhead-shaped markings and bars, more distinct on the upper tail-coverts; head and neck light ashy brown, streaked with lines of darker brown, the sides of the face speckled with light brown; under surface of body pure white, with a few streaks of brown on the lower throat, sides of breast, and sides of body, where the streaks take the form of arrowhead-shaped markings; on the chest a few obsolete dusky cross-bars; axillaries and under wing-coverts white, the former with twin-spots of blackish brown; the centre tail-feathers ashy brown with a few remains of darker brown mottlings, the rest of the feathers notched and barred with white on the inner webs, and usually uniform on the outer webs.

Young birds. Resemble the adults in winter plumage, but are much more fulvescent, and especially of an ashy-fulvous shade over the lower throat and chest, and more decidedly fulvous on the sides of the body. The whole of the upper surface is mottled with rufous buff in the shape of tawny notches to most of the feathers, and the whole of the tail is regularly banded across with dusky brown and buffy whitish, the bands being about seven in number.

Hab. Occurs throughout Europe on passage: breeds on the tundra above the limit of forest-growth from Lapland to the Yenesei, and migrates south to winter in Sind, the countries of the Mediterranean, and even extends to Senegambia, but does not cross the Equator. Accidental on the Canary Islands.

a, *b*. Ad. æstiv. et hiem. sk.	Great Britain.	Montagu Coll.
c. Imm. sk.	Grangemouth, Stirlingshire, Sept.	J. E. Harting, Esq. [P.].
d, *e*. Imm. sk.	St. Andrews, N.B., Aug., Sept. (*R. G. W. R.*).	Tweeddale Coll.
f. Imm. sk.	England.	Hume Coll.
g. Ad. æstiv. sk.	England.	Salvin-Godman Coll.
h. Ad. hiem. sk.	Doncaster, Yorkshire.	Rev. E. C. Taylor [P.].
i. Ad. hiem. sk.	Lincolnshire, Sept.	Theodore Walker, Esq. [P.].
k, *l*. ♂ imm. sk.	Lincolnshire, Sept. 4.	G. H. Caton Haigh, Esq. [P.].
m, *n*. ♂ ♀ imm. sk.	Cley, Norfolk, Sept. (*G. Dack*).	Hume Coll.
o. ♂ ad. hiem. sk.	Cromer, Norfolk, Feb.	Seebohm Coll.
p, *q*, *r*. ♂ ♀ ad. æstiv. sk.	Breydon Harbour, Norfolk, May (*F. Frere*).	Seebohm Coll.
s–*w*. ♂ ♀ ad. et imm. sk.	Great Yarmouth, April, May, Sept.	Seebohm Coll.
x. Imm. sk.	Great Yarmouth, Sept. 16 (*G. Smith*).	Hume Coll.
y. Ad. æstiv. sk.	Kent.	Montagu Coll.
z. Ad. æstiv. sk.	Romney Marsh, Kent, May (*R. Haynes*).	Tweeddale Coll.

a'–d'. ♂ ♀ ad. æstiv.; *c'*. Imm. ak.	Romney Marsh, May, Sept.	Dr. R. B. Sharpe [P.].
e', *g'*. ♂ ad. et imm. ak.	Romney Marsh, Aug., Sept.	Colonel Irby [P.].
h'. ♀ ad. hiem. st.	Shoreham, Sussex, Sept.	J. E. Harting, Esq. [C.].
i'. ♂ ad. æstiv. st.	Pagham Harbour, Sussex, May.	J. E. Harting, Esq. [C.].
k'. Juv. st.	Pagham Harbour, Sussex, Sept.	Dr. R. B. Sharpe [P.].
l'–p'. ♂ ♀ juv. ak.	Pagham Harbour, Sussex, Sept. 5-10.	Dr. R. B. Sharpe [P.].
q', *r'*. Juv. ak.	Pagham Harbour, Sussex, Sept. (*A. Grant*).	Tweeddale Coll.
s', *t'*. ♂ ♀ ad. æstiv.; *u'*. Juv. ak.	Pagham Harbour, Sussex, Sept. (*A. Grant*).	Seebohm Coll.
v'. ♀ ad. æstiv. ak.	Somersetshire.	Montagu Coll.
w'. Juv. ak.	Devonshire.	Montagu Coll.
x'. Ad. hiem. st.	Torquay.	C. Coningham, Esq. [P.].
y'. Juv. st.	Wales.	Rev. A. Morgan [P.].
z'. Ad. ak.	Morocco.	Seebohm Coll.
a''. Ad. ak.	West Africa.	Purchased.
b''. Ad. hiem. ak.	Senegambia.	Governor Rendall.
c''. ♂ ad. ak.	Archangel.	Seebohm Coll.
d''. ♀ juv. ak.	Heligoland, Oct. 3.	F. Nicholson, Esq. [P.].
e''. ♂ ad. ak.	Heligoland, Sept. (*A. Gätke*).	Seebohm Coll.
f'', *g''*. ♂ ♀ ad. ak.	Guriev, Caspian Sea, May (*M. Menzbier*).	Seebohm Coll.
h''. Ad. ak.	Yen-e-sei (70½ N. lat.), July 1.	Seebohm Coll.
i''–n''. ♂ ad.; *o''*. ♀ ad. ak.	Karachi, Sind, Feb. (*A. O. H.*).	Hume Coll.
p'', *q''*. ♂ ♀ juv. ak.	Karachi, Sept., Oct. (*E. A. Butler*).	Hume Coll.
r''. Skeleton.	England.	Eyton Coll.
s''. Skeleton.	England.	Purchased.
t'', *u''*. Skulls.	England.	Yarrell Coll.
v''. Sternum.	England.	John Ray, Esq. [P.].

Subsp. a. Limosa novæ zealandiæ.

Limosa barge (pt.), *Pall. Zoogr. Rosso-Asiat.* ii. p. 180 (1811; Kamtchatka; Kurile Isl.).

Limosa baueri, *Naum. Vög. Deutschl.* viii. p. 429 (1836: *ex Natterer MSS.*; descr. nulla); *Buller, B. New Zeal.* p. 198 (1873); *Salvad. Ucc. Born.* p. 331 (1874); *Tristr. Ibis*, 1876, p. 284 (Aneiteum); *David & Oust. Ois. Chine*, p. 459 (1877); *Sharpe, Ibis*, 1878, p. 419 (Sarawak); *Tristr. Ibis*, 1879, p. 444 (Solomon Isl.), 1882, p. 144; *Salvad. Orn. Papuasia etc.* iii. p. 329 (1882); *Ramsay, Proc. Linn. Soc. N. S. W.* vii. p. 41 (1883: Solomon Isl.); *Vorderm. Nat. Tydschr. Nederl. Ind.* xlvi. p. 22 (1886: Borneo); *Gigl. & Salvad. P. Z. S.* 1887, p. 588 (Olga Bay); *Heine & Reichen. Nomencl. Mus. Hein.* p. 320 (1890); *Salvad. Agg. Orn. Papuasia etc.* iii. p. 205 (1891).

Limosa brevipes, *Gray, List Grall. Brit. Mus.* p. 95 (1844: descr. nullâ).
Limosa australasiana, *Gray, List Grall. Brit. Mus.* p. 96 (1844).
Limosa lapponica, var. novæ zealandiæ, *Gray, Voy. Ereb. & Terr., Birds*, p. 13 (1846); *Palmén, Vega Exped.* v. p. 302 (1887).
Limosa novæ zealandiæ, *Gray, Gen. B.* iii. p. 570 (1847); *Reichenb. Grall.* tab. cxxvii. figs. 2449–50 (1850); *Bp. C. R.* xliii. p. 597 (1856); *Cass. U.S. Expl. Exped.* p. 314 (1858); *Gray, Cat. B. Trop. Isl.* p. 50 (1859); *id. Ibis*, 1862, p. 326 (New Zealand); *Marie, Actes Soc. Linn. Bord.* xxvii. p. 328 (1870: New Caledonia); *Hutton, Ibis*, 1870, p. 398; *Gray, Hand-l. B.* iii. p. 43, no. 10262 (1871); *Sharpe & Dresser, B. Eur.* viii. p. 213 (1872); *Finsch, J. f. O.* 1874, p. 196; *Sharpe, Voy. Ereb. & Terr., Birds*, App. p. 30 (1875); *Legge, B. Ceylon*, p. 833 (1880); *Hume, Str. F.* ix. p. 118 (1880: Singapore Isl.); *Layard, Ibis*, 1884, p. 123 (Norfolk Isl.); *Buller, B. New Zeal.* 2nd ed. ii. p. 40 (1888); *Wiglesw. Abhandl. Mus. Dresd.* 1890-91, p. 66 (1891: Samoa; Tonga; Fiji; New Hebrides; Loyalty Isl.; New Caledonia; Carolines; Gilbert Isl.); *Forbes, Ibis*, 1893, p. 529 (Chatham Isl.).
Limosa uropygialis, *Gould, P. Z. S.* 1848, p. 38 (Australia); *id. B. Austr.* vi. pl. 29 (1848); *Reichenb. Vög. Neuholl.* p. 196, no. 528 (1850); *Macgill. Narr. Voy. Rattlesn.* ii. p. 358 (1852); *Licht. Nomencl. Av. Mus. Berol.* p. 91 (1854: Australia); *Bp. C. R.* xliii. p. 597 (1856); *Gray, P. Z. S.* 1858, p. 197 (Torres Straits); *id. Cat. Mamm. & B. N. Guin.* p. 62 (1859); *Layard, Ibis*, 1863, p. 245 (New Zealand); *Swinh. t. c.* p. 409 (Formosa), p. 445 (N. Japan); *Schl. Mus. Pays-Bas*, Scolopaces, p. 25 (1864); *Blyth, Ibis*, 1865, p. 40; *Gould, Handb. B. Austr.* ii. p. 252 (1865); *Finsch, New-Guinea*, p. 182 (1865); *id. & Hartl. Faun. Centralpolyn.* p. 177 (1867); *Dall & Bann. Trans. Chic. Acad.* i. p. 293 (1869: mouth of Yukon River); *Baird, t. c.* p. 320, pl. 32; *Marie, Actes Soc. Linn. Bord.* xxvii. p. 328 (1870); *Swinh. Ibis*, 1870, p. 362 (N.W. Hainan); *id. P. Z. S.* 1871, p. 406 (Amoy; Formosa); *Gray, Hand-l. B.* iii. p. 43, no. 10261 (1871); *Wald. Trans. Zool. Soc.* viii. p. 97 (1872: Celebes); *Coues, Key N. Amer. B.* p. 258 (1872); *Finsch, J. f. O.* 1872, p. 52 (Samoa Isl.), p. 173 (New Zealand); *Sharpe & Dresser, B. Eur.* viii. p. 213 (1872); *Hutton, Ibis*, 1872, p. 246 (Chatham Isl.); *Swinh. Ibis*, 1873, pp. 368, 424 (China); *Dall, Avif. Aleutian Isl.* p. 6 (1874); *Layard, P. Z. S.* 1875, p. 439 (Fiji Isl.), 1876, p. 497 (Samoa), p. 503 (Friendly Isl.); *Swinh. Ibis*, 1875, p. 453 (Hakodadi); *Tacz. Bull. Soc. Zool. France*, i. p. 255 (1876); *Layard, Ibis*, 1876, p. 393 (Fiji Isl.), 1877, p. 363 (New Caledonia); *Masters, Proc. Linn. Soc. N. S. W.* i. p. 60 (1877: Cape York; Bet Isl.); *Ramsay, t. c.* p. 76 (Fiji Isl.), p. 189; *Blakist. & Pryer, Ibis*, 1878, p. 220 (Yokohama); *E. L. & L. C. Layard, t. c.* p. 262 (New Caledonia); *Ramsay, Proc. Linn. Soc. N. S. W.* ii. p. 198 (1878); *Rosenb. Malay. Archip.* p. 278 (1878: Celebes), p. 373 (Aru), p. 563 (New Guinea); *E. L. & L. C. Layard, Ibis*, 1880, p. 232 (Loyalty Isl.); *Finsch, Ibis*, 1881, p. 540 (New Britain); *Elliott, Mon. Fur-Seal Isl. Alaska*, p. 130 (1882); *E. L. & L. C. Layard, Ibis*, 1882, pp. 534, 544 (New Caledonia); *Coues, Check-list N. Amer. B.* p. 103 (1882); *Hartl. J. f. O.* 1883, p. 279 (Yukon R.); *Ramsay, Proc. Linn. Soc. N. S. W.* vii. p. 41 (1883: Solomon Isl.), p. 88 (Lord Howe Isl.); *Bogd. Consp. Av. Imp. Ross.* p. 87, pt. (1884: Bering Isl.; Dauria); *Meyer, Sitz. u. Abhandl. ges. Isis Dresden*, 1884, Abth. i.

p. 56 (Siao); *Finsch, Vög. der Südsee*, pp. 5, 22 (1884: New Britain); *Coues, Key N. Amer. B.* 2nd ed. p. 630 (1884); *Mathews, Proc. Linn. Soc. N. S. W.* x. p. 255 (1886: Claremont Isl.); *Ramsay, Tab. List Austr. B.* p. 20 (1888: Australia generally, except the North-west); *Everett, Journ. Straits Branch As. Soc.* 1889, p. 209 (Sarawak; Labuan); *North, Proc. Linn. Soc. N. S. W.* (2) iii. p. 1778 (1889: Cumberland Co., N.S.W.); *Etheridge, Lord Howe Isl.* p. 17 (1889); *Styan, Ibis*, 1891, p. 331 (Lower Yangtse, migrant), p. 507 (Shanghai); *De La Touche, Ibis*, 1892, p. 500 (Swatow, Jan.); *Rickett, Ibis*, 1894, p. 225 (Foochow); *Meyer & Wiglesw. J. f. O.* 1894, p. 252 (Talaut Isl.).

Limosa foxii, *Peale, U.S. Expl. Exped.* p. 231, pl. 65 (1848: Rose Isl., Samoa Group); *Hartl. Arch. f. Nat.* 1852, p. 120.

Limosa rufa (*nec Temm.*), *Temm. & Schl. Faun. Jap.* p. 114 (1850); *Middend. Reis. Sibir., Zool.* p. 217 (1851: Taimyr R., 74° N. lat.); *Seebohm, B. Japan. Emp.* p. 329 (1890).

Limosa lapponica (*nec Linn.*), *Cass. Proc. Acad. Nat. Sci. Philad.* 1858, p. 193 (Hakodadi); *Taczdd. P. Z. S.* 1878, p. 711 (N. Bohol); *Blakist. Amended List B. Jap.* p. 11 (1884); *Steere, List B. & Mamm. Philipp. Exped.* p. 26 (1890: Negros).

Limosa lapponica, var., *Gray, P. Z. S.* 1860, p. 304 (E. Gilolo).

Limosa lapponica seu rufa, *Swinh. Ibis*, 1861, p. 410 (Amoy).

Gallinago punctata, *Ellman, Zool.* 1861, p. 7470 (New Zealand).

Limosa melanuroides (*nec Gould*), *Tristr. Ibis*, 1870, p. 285 (New Hebrides); *Prjev. in Rowley's Orn. Misc.* iii. p. 53 (1878: Hoang-ho Valley, Aug.; Koko-nor, March; Lake Hanka, breeding; Possiet Bay, Sept.); *Finsch, Ibis*, 1880, p. 432 (Gilbert Isl.).

Limosa lapponica novæ zealandiæ, *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 200 (1880); *id. Bull. U.S. Nat. Mus.* no. 21, p. 45 (1881); *Nelson, Cruise R. S. 'Corwin,'* p. 89 (1883: Aleutian Isl.; Bering Straits; St. Michael's); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 258 (1884); *Murdoch, Exped. Pt. Barrow*, p. 114 (1885).

Limosa lapponica baueri, *Stejn. Bull. U.S. Nat. Mus.* no. 29, p. 122 (1885: Bering Isl.); *A. O. U. Check-list N. Amer. B.* p. 154 (1886); *Turner, Contr. Nat. Hist. Alaska*, p. 149 (1886); *Nelson, Nat. Hist. Coll. Alaska*, p. 115 (1887); *Stejn. Proc. U.S. Nat. Mus.* x. p. 130 (1887: Commander Isl.); *Ridgw. Man. N. Amer. B.* p. 103 (1887); *Taez. P. Z. S.* 1888, p. 457 (Seoul, Corea); *Hartert, Kat. Vogelsamml. Mus. Senckenb.* p. 223 (1891); *Stejn. Proc. U.S. Nat. Mus.* xvi. p. 616 (1893: Tokio); *Taez. Mém. Acad. Imp. St. Petersb.* (7) xxxix. p. 933 (1893).

Limosa rufa uropygialis, *Taez. Bull. Soc. Zool. France*, x. p. 475 (1885: Sidemi); *Seebohm, Ibis*, 1888, p. 348 (Great Liakoff Isl.); *id. Geogr. Distr. Charadr.* p. 387 (1888); *id. B. Japan. Emp.* p. 329 (1890).

Adult male in breeding-plumage. Similar to *L. lapponica*, but the rufous colour paler and more cinnamon, and distinguished by the dusky lower back and rump, the feathers of which are blackish with white edgings; the under wing-coverts more thickly mottled with dusky bases to the feathers, and the axillaries with distinct bars of dusky brown: "bill clear reddish for its basal half, blackish towards the terminal part, the base of the lower mandible paler; feet blackish brown; iris brown" (*Taczanowski*). Total length 14·5 inches, culmen 3·4, wing 8·9, tail 2·9, tarsus 2·2.

Adult female in breeding-plumage. Similar to the male, but not so entirely cinnamon rufous below, and with remains of brown bars on the under surface, especially on the flanks. Total length 16 inches, culmen 4·3, wing 9·5, tail 3·25, tarsus 2·3.

Adult in winter plumage. Similar to the winter plumage of *L. lapponica*, but distinguished by the dusky rump and by the bars on the axillaries.

Young. Similar to the young of *L. lapponica*, but distinguished, as in the winter plumage, by the dusky rump and barred axillaries. The young birds may be told from the adults in winter plumage by their more tawny colour, and by the ashy-grey shade on the throat and chest, as well as by the fulvescent bars and notches to the feathers of the upper surface.

Hab. From Alaska in N.W. America, Kamtchatka, and Eastern Siberia, through Japan and China to the Malay Archipelago, and thence to Oceania, Australia, and New Zealand.

a–e. ♂ ♀ ad. sk.	St. Michael's, Alaska, May, June (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
f, g. Juv. sk.	St. Michael's, Alaska, Aug., Sept. (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
h. ♂ ad. sk.	St. Michael's, Alaska, June (*L. M. Turner*: *Hensh. Coll.*).	Salvin-Godman Coll.
i. ♀ ad. sk.	Kotlik, Yukon R., May 18 (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
k. ♂ ad. sk.	Unalashka, June 9 (*W. H. Dall*).	Salvin-Godman Coll.
l. ♀ ad. sk.	Kurile Islands (*Snow*).	Seebohm Coll.
m–r. Ad. sk.	Yokohama, Japan (*H. Pryer*).	Seebohm Coll.
s, t. ♂ ♀ ad. sk.	South Yezo.	Seebohm Coll.
u. ♂ ad. sk.	Shanghai, April 4.	Shanghai Museum.
v–z. ♂ ♀ ad. sk.	Shanghai, March, April (*R. Swinhoe*).	Seebohm Coll.
a′, b′. ♂ ♀ ad. sk.	Amoy, Nov. (*R. Swinhoe*).	Seebohm Coll.
c′, d′, e′. Ad. sk.	Hainan, March (*R. Swinhoe*).	Seebohm Coll.
f′. ♂ imm. sk.	Singapore Island, Nov. 23 (*W. Davison*).	Hume Coll.
g′, h′. ♂ ♀ imm. sk.	Labuan, Oct., Dec.	A. H. Everett, Esq. [C.].
i′. Imm. sk.	Sarawak.	A. H. Everett, Esq. [C.].
k′, l′, m′. ♂ ♀ ad. sk.	N. Bohol, Philippine Isl., Nov. (*A. H. Everett*).	Tweeddale Coll.
n′. Ad. sk.	East Gilolo.	Wallace Coll.
o′, p′, q′. Ad. sk.	Queensland (*J. T. Cockerell*).	Salvin-Godman Coll.
r′, s′. Ad. sk.	Port Darwin.	Seebohm Coll.
t′. Ad. sk.	Port Essington. (Type of *L. australasiana*, Gray.)	Capt. Chambers [P.].
u′, v′. Ad. st.	New South Wales.	Australian Museum.

w'. Ad. sk.	Gippeland Lakes, Victoria.	Seebohm Coll.
x'. ♀ ad. sk.	Lord Howe Island, Sept. 10 (*J. Macgillivray*).	Gould Coll.
y', *z'*. ♂ ♀ ad. sk.	Lord Howe Island, Sept. (*E. Saunders*).	Seebohm Coll.
a'', *b''*. Ad. sk.	New Zealand. (Types of *L. brevipes* and *L. novæ zealandiæ*.)	Antarctic Expedition.
c''-*f''*. Ad. sk.	New Zealand.	Sir Samuel Scott, Bart. [P.].
g''. Ad. st.	New Zealand.	Sir G. Grey [P.].
h'', *i''*, *k''*. Ad. sk.	New Zealand.	Capt. Stokes [P.].
l''. Ad. sk.	Canterbury, N. Z.	Seebohm Coll.
m''. ♀ imm. sk.	Canterbury, N. Z.	Hume Coll.
n''. ♂ ad. sk.	Otago, New Zealand, Nov.	Hume Coll.
o''. Ad. sk.	New Caledonia.	Seebohm Coll.
p''. ♂ ad. sk.	Ovalau, Fiji Isl., Nov. 2 (*E. L. Layard*).	Tweeddale Coll.
q''. ♂ ad. sk.	Nabuhoa Flats, Viti Levu (*A. von Hügel*).	Seebohm Coll.
r''. Ad. sk.	Aneiteum, New Hebrides, Oct. 16.	J. Macgillivray, Esq. [C.].

2. Limosa limosa.

Black-tailed Godwit.

The Godwit, *Albin, Nat. Hist. B.* ii. pl. 70 (1738).

La Barge, *Briss. Orn.* v. p. 262 (1760); *D'Aubent. Pl. Enl.* viii. pl. 874.

Scolopax limosa, *Linn. Syst. Nat.* i. p. 246 (1766); *Gm. Syst. Nat.* i. p. 663 (1788).

La Barge commune. *Buff. Hist. Nat. Ois.* vii. p. 500, pl. xxvii. (1780).

La Grande Barge rousse, *D'Aubent. Pl. Enl.* viii. pl. 916.

Red Godwit, *Lath. Gen. Syn.* iii. pt. 1, p. 142 (1785: nec syn.).

Jadreka Snipe, *Lath. t. c.* p. 146.

? Scolopax lapponica, *Gm. Syst. Nat.* i. p. 657 (1788).

Scolopax belgica, *Gm. Syst. Nat.* i. p. 663 (1788).

Totanus ægocephalus, *Bechst. Naturg. Deutschl.* iv. p. 234 (1809).

Totanus limosa, *Bechst. t. c.* p. 244.

Actitis limosa, *Illiger, Prodr.* p. 262 (1811).

Limosa ægocephala, *Pallas, Zoogr. Rosso-Asiat.* ii. p. 178 (1811); *Leach, Syst. Cat. Mamm. &c. Brit. Mus.* p. 32 (1816: Devonshire); *Fleming, Brit. Anim.* p. 107 (1828); *Bp. Comp. List B. Eur. & N. Amer.* p. 52 (1838); *Keys. & Blas. Wirb. Eur.* pp. lxxiv, 213 (1840); *Mühle, Beitr. Orn. Griechenl.* p. 102 (1844); *Gray, List Grall. Brit. Mus.* p. 95 (1844); *Rupp. Syst. Uebers.* p. 125 (1845: Egypt, winter); *Gray, Gen. B.* iii. p. 570 (1847); *Blyth, Cat. B. Mus. As. Soc.* p. 288 (1849: Calcutta); *Middend. Reis. Sibir., Zool.* p. 218 (1851: Great Schantár Isl., breeding); *Macgill. Brit. B.* iv. p. 289 (1852); *Schl. Vog. Nederl.* pl. 225 (1854); *Heugl. Syst. Uebers.* p. 63 (1856); *Bp. C. R.* xliii. p. 707 (1856); *Lauderm. Voy. Griechenl.* p. 140 (1840); *Schl. Mus. Pays-Bas*, Scolopaces, pl. 23. figs. 1, 2 (1861); *Reinh. Ibis*, 1861, p. 11 (Greenland); *Irby, t. c.* p. 240 (Oudh); *Newton, in Baring-Gould's Iceland*, p. 412 (1863); *Gray, Cat. Brit. B.* p. 156 (1863); *Radde, Reis. Sibir., Vog.* p. 331 (1863: Tarei-nor); *Wright, Ibis*, 1864, p. 146 (Malta, spring and autumn); *Schl. Mus. Pays-Bas*, Scolopaces,

p. 19 (1864); *Antin. Cat. descr. Ucc.* p. 108 (1864: Kordofan); *Jerd. B. Ind.* iii. p. 681 (1864); *More, Ibis*, 1865, p. 437; *Degl. et Gerbe, Orn. Eur.* ii. p. 167 (1867); *Loche, Expl. Sci. Algér., Ois.* ii. p. 328 (1867); *Baird, Ibis*, 1867, p. 282; *Smith, Ibis*, 1868, p. 454 (Portugal); *Collett, Norges Fugle*, p. 56 (1868); *Borggr. Vogelf. Norddeutschl.* p. 115 (1869); *Doderl. Avif. Sicil.* p. 182 (1869); *Droste, Vogelw. Borkum*, p. 199 (1869); *Saunders, Ibis*, 1869, p. 173 (S. Spain); *Fritsch, Vög. Eur.* tab. 39. fig. 6 (1870); *Gray, Hand-l. B.* iii. p. 43, no. 10258 (1871); *Salvad. Faun. Ital., Ucc.* p. 222 (1871); *Saunders, Ibis*, 1871, p. 388 (S. Spain); *Sharpe & Dresser, B. Eur.* viii. p. 211, pl. 574 (1872); *Harting, Handb. Brit. B.* p. 53 (1872); *Shelley, B. Egypt*, p. 245 (1872) *Feilden, Zool.* 1872, p. 3249 (Færoe Isl., breeding); *Holdsw. P. Z. S.* 1872, p. 473 (Ceylon); *Heugl. Orn. N.O.-Afr.* ii. pt. i. p. 1153 (1873: Nile to 12° N. lat.: Abyssinia); *Palmén, Finlands Foglar*, p. 131 (1873); *Alston & Harvie-Browne, Ibis*, 1873, p. 69 (Archangel); *Brooke, t. c.* p. 338 (Sardinia, migrant); *Hayes Lloyd, t. c.* p. 417 (Kathiawar); *Hume, Str. F.* i. pp. 124, 133, 137, 235 (1873: Banks of Indus; Sind); *Adam, t. c.* p. 396 (Sambhur); *Durnf. Ibis*, 1874, p. 405 (N. Frisian Isl.); *Irby, Orn. Straits Gibr.* p. 169 (1875); *Oates, Str. F.* iii. p. 346 (1875: Sittang R.); *Danf. & Harvie-Brown, Ibis*, 1875, p. 422 (Transylvania); *Blyth, B. Burma*, p. 155 (1875: Arakan); *Dresser, Ibis*, 1876, p. 412; *Blanf. East. Persia*, ii. p. 283 (1876: Shiraz); *Butler & Hume, Str. F.* iv. p. 16 (1876: Mount Aboo); *Butler, Str. F.* v. p. 232 (1877: Deesa, cold season); *Wardlaw Ramsay, Ibis*, 1877, p. 469 (Tonghoo); *Tweedd. P. Z. S.* 1878, p. 288 (Valencia, Negros); *Hume & Davison, Str. F.* vi. p. 460 (1878: Moulmein); *Hume, op. cit.* vii. p. 97 (1878: Oodeypur); *Cripps, t. c.* p. 302 (Faridpur); *Hume, t. c.* p. 486 (Calcutta); *Finsch, Verh. z.-b. ges. Wien*, xxix. p. 249 (1879: Steppes of Irtisch; Semipalatinsk); *Hume, Str. F.* viii. p. 112 (1879); *Scully, t. c.* p. 356 (Nepal Valley); *Butler, Cat. B. Sind etc.* p. 62 (1879); *Legge, B. Ceylon*, p. 832 (1880); *Hume & Marshall, Game Birds of India*, iii. p. 409, cum tab. (1881); *Biddulph. Ibis*, 1881, p. 96 (Gilgit); *Scully, t. c.* p. 588 (Gilgit, April, Sept.); *Ridgw. Bull. U.S. Nat. Mus.* no. 21, p. 45 (1881); *Kelham, Ibis*, 1882, p. 16 (Singapore); *Simson, t. c.* p. 92 (Dacca); *C. Swinhoe, t. c.* p. 121 (Kandahar); *Salvin, Cat. Strickl. Coll.* p. 618 (1882); *Oates, Str. F.* x. p. 239 (1882: Sittang R.); *Davidson, t. c.* p. 320 (West. Khandeish); *B. O. U. List Brit. B.* p. 178 (1883); *Irby, Ibis*, 1883, p. 186 (Santander); *Saunders, ed. Yarrell's Brit. B.* iii. p. 488 (1883); *Oates, Handb. B. Brit. Burm.* ii. p. 409 (1883); *Murray, Vertebr. Faun. Sind*, p. 243 (1884); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 263 (1884); *Salvad. Ann. Mus. Gen.* (2) i. p. 221 (1884: Lake Cialalaká); *Saunders, Ibis*, 1884, p. 390 (Pyrenees); *Swinh. & Barnes, Ibis*, 1885, p. 133 (Depalpur); *Reid, t. c.* p. 253 (Marocco); *Taylor, Str. F.* x. pp. 529, 531 (1887); *Buckley & Harvie-Brown, Vertebr. Faun. Outer Hebr.* p. 136 (1888); *Hume, Str. F.* xi. p. 322 (1888: Manipur); *Irby, Key List Brit. B.* p. 49 (1888); *Guillem. Ibis*, 1889, p. 213 (Cyprus); *Reichen. Syst. Verz. Vög. Deutschl.* p. 47 (1889); *Heine & Reichen. Nomencl. Mus. Hein.* p. 326 (1890); *Frivaldsky, Av. Hung.* p. 138 (1891); *Madarász, Erlaut. Ausst. Ungar. Vogelf.* p. 108 (1891); *Buckley & Harvie-Brown, Vertebr. Faun. Orkney Isl.* p. 221 (1891); *Hartert, Ibis*, 1892, p. 514 (E. Prussia); *Fatio & Studer, Cat. distr. Ois. Suisse*, p. 46 (1892); *Harvie-Brown & Buckley, Vertebr.*

p. 19 (1864); *Antin. Cat. descr. Ucc.* p. 108 (1864: Kordofan); *Jerd. B. Ind.* iii. p. 681 (1864); *More, Ibis*, 1865, p. 437; *Degl. et Gerbe, Orn. Eur.* ii. p. 167 (1867); *Loche, Expl. Sci. Algér., Ois.* ii. p. 328 (1867); *Baird, Ibis*, 1867, p. 282; *Smith, Ibis*, 1868, p. 454 (Portugal); *Collett, Norges Fugle*, p. 56 (1868); *Borggr. Vogelf. Norddeutschl.* p. 115 (1869); *Doderl. Avif. Sicil.* p. 182 (1869); *Droste, Vogelw. Borkum*, p. 199 (1869); *Saunders, Ibis*, 1869, p. 173 (S. Spain); *Fritsch, Vög. Eur.* tab. 39. fig. 6 (1870); *Gray, Hand-l. B.* iii. p. 43, no. 10258 (1871); *Salvad. Faun. Ital., Ucc.* p. 222 (1871); *Saunders, Ibis*, 1871, p. 388 (S. Spain); *Sharpe & Dresser, B. Eur.* viii. p. 211, pl. 574 (1872); *Harting, Handb. Brit. B.* p. 53 (1872); *Shelley, B. Egypt*, p. 245 (1872) *Feilden, Zool.* 1872, p. 3249 (Færoe Isl., breeding); *Holdsw. P. Z. S.* 1872, p. 473 (Ceylon); *Heugl. Orn. N.O.-Afr.* ii. pt. i. p. 1153 (1873: Nile to 12° N. lat.; Abyssinia); *Palmén, Finlands Foglar*, p. 131 (1873); *Alston & Harvie-Browne, Ibis*, 1873, p. 69 (Archangel); *Brooke, t. c.* p. 338 (Sardinia, migrant); *Hayes Lloyd, t. c.* p. 417 (Kathiawar); *Hume, Str. F.* i. pp. 124, 133, 137, 235 (1873: Banks of Indus; Sind); *Adam, t. c.* p. 396 (Sambhur); *Durnf. Ibis*, 1874, p. 405 (N. Frisian Isl.); *Irby, Orn. Straits Gibr.* p. 169 (1875); *Oates, Str. F.* iii. p. 346 (1875: Sittang R.); *Danf. & Harvie-Brown, Ibis*, 1875, p. 422 (Transylvania); *Blyth, B. Burma*, p. 155 (1875: Arakan); *Dresser, Ibis*, 1876, p. 412; *Blanf. East. Persia*, ii. p. 283 (1876: Shiraz); *Butler & Hume, Str. F.* iv. p. 16 (1876: Mount Aboo); *Butler, Str. F.* v. p. 232 (1877: Deesa, cold season); *Wardlaw Ramsay, Ibis*, 1877, p. 469 (Tonghoo); *Tweedd. P. Z. S.* 1878, p. 288 (Valencia, Negros); *Hume & Davison, Str. F.* vi. p. 460 (1878: Moulmein); *Hume, op. cit.* vii. p. 97 (1878: Oodeypur); *Cripps, t. c.* p. 302 (Faridpur); *Hume, t. c.* p. 486 (Calcutta); *Finsch, Verh. z.-b. ges. Wien*, xxix. p. 249 (1879: Steppes of Irtisch; Semipalatinsk); *Hume, Str. F.* viii. p. 112 (1879); *Scully, t. c.* p. 356 (Nepal Valley); *Butler, Cat. B. Sind etc.* p. 62 (1879); *Legge, B. Ceylon*, p. 832 (1880); *Hume & Marshall, Game Birds of India*, iii. p. 409, cum tab. (1881); *Biddulph. Ibis*, 1881, p. 96 (Gilgit); *Scully, t. c.* p. 588 (Gilgit, April, Sept.); *Ridgw. Bull. U.S. Nat. Mus.* no. 21, p. 45 (1881); *Kelham, Ibis*, 1882, p. 16 (Singapore); *Simson, t. c.* p. 92 (Dacca); *C. Swinhoe, t. c.* p. 121 (Kandahar); *Salvin, Cat. Strickl. Coll.* p. 618 (1882); *Oates, Str. F.* x. p. 239 (1882: Sittang R.); *Davidson, t. c.* p. 320 (West. Khandeish); *B. O. U. List Brit. B.* p. 178 (1883); *Irby, Ibis*, 1883, p. 186 (Santander); *Saunders, ed. Yarrell's Brit. B.* iii. p. 488 (1883); *Oates, Handb. B. Brit. Burm.* ii. p. 409 (1883); *Murray, Vertebr. Faun. Sind*, p. 243 (1884); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 263 (1884); *Salvad. Ann. Mus. Gen.* (2) i. p. 221 (1884: Lake Cialalaká); *Saunders, Ibis*, 1884, p. 390 (Pyrenees); *Swinh. & Barnes, Ibis*, 1885, p. 133 (Depalpur); *Reid, t. c.* p. 253 (Marocco); *Taylor, Str. F.* x. pp. 529, 531 (1887); *Buckley & Harvie-Brown, Vertebr. Faun. Outer Hebr.* p. 136 (1888); *Hume, Str. F.* xi. p. 322 (1888: Manipur); *Irby, Key List Brit. B.* p. 49 (1888); *Guillem. Ibis*, 1889, p. 213 (Cyprus); *Reichen. Syst. Verz. Vög. Deutschl.* p. 47 (1889); *Heine & Reichen. Nomencl. Mus. Hein.* p. 326 (1890); *Frivaldsky, Av. Hung.* p. 138 (1891); *Madarász, Erlaut. Ausst. Ungar. Vogelf.* p. 108 (1891); *Buckley & Harvie-Brown, Vertebr. Faun. Orkney Isl.* p. 221 (1891); *Hartert, Ibis*, 1892, p. 514 (E. Prussia); *Fatio & Studer, Cat. distr. Ois. Suisse*, p. 46 (1892); *Harvie-Brown & Buckley, Vertebr.*

Faun. Argyll & Inner Hebr. p. 183 (1892); *Meade-Waldo, Ibis*, 1893, p. 205 (Canary Isl.); *Lilford, Col. Fig. Brit. B.* pt. xxvii. (1893).

Limosa melanura, *Leisler, Nachtr. Bechst. Naturg.* ii. p. 153 (1813); *Temm. Man. d'Orn.* ii. p. 664 (1820); *Werner, Atlas, Grall.* pl. 25 (1827); *Brehm, Voy. Deutschl.* p. 627 (1831); *Less. Traité d'Orn.* p. 554 (1831); *Jenyns, Man. Brit. Vertebr.* p. 203 (1835); *Naum. Voy. Deutschl.* viii. p. 406, pls. 212, 213 (1838); *Gould, B. Eur.* iv. pl. 305 (1837); *Crespon, Orn. Gard*, p. 435 (1840); *Nordm. in Démid. Voy. Russ. Mérid.* iii. p. 254 (1840); *Jerd. Madras Journ.* xii. p. 208 (1840); *Webb & Berth. Orn. Canar.* p. 38 (1841: accidental visitor); *Schl. Rev. Crit.* p. lxxxvii (1844); *Hodgs. Icon. ined. in Brit. Mus., Grall.* pls. 81, 99, no. 537; *id. in Gray's Zool. Misc.* p. 80 (1844); *Gray, Cat. Mamm. &c. Nepal pres. Hodgs.* p. 137 (1846); *Holb. Faun. Groenl.* p. 40 (1846); *Thomps. B. Irel.* ii. p. 222 (1850); *Temm. & Schl. Faun. Jap., Aves*, p. 113 (1850); *Reichenb. Grall.* tab. lxxvi. figs. 569-571 (1850); *Brehm, Vogelf.* p. 300 (1855); *Hewits. Eggs Brit. B.* ii. p. 342, pl. xciii. (1856); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 475 (1859); *Pacys, Ibis*, 1860, p. 343 (Ionian Isl.); *Gigl. Ibis*, 1865, p. 61 (Pisa); *Gould, B. Gt. Brit.* iv. pl. 50 (1868); *Dyb. J. f. O.* 1868, p. 338 (Dauria); *Stevens. B. Norf.* ii. p. 248 (1870); *Elwes & Buckley, Ibis*, 1870, p. 331 (Epirus); *Sunder. Sv. Fogl.* pl. xxxviii. fig. 5 (1870); *Saunders, Ibis*, 1871, p. 310 (Southern Spain); *R. Gray, B. West Scotl.* p. 305 (1871); *Severtz. Turkest. Jerotn.* p. 69 (1873: migrant); *Saxby, B. Shetl.* p. 197 (1874); *Fallon, Ois. Belg.* p. 176 (1875); *Tacz. Bull. Soc. Zool. France*, ii. p. 158 (1877: Poland); *Boyd. B. Cauc.* p. 156 (1879); *W. A. Forbes, P. Z. S.* 1881, p. 644 (anatomy); *Seebohm, Ibis*, 1883, p. 29 (Caucasus); *Boyd. Consp. Av. Imp. Ross.* p. 85 (1884); *Gigl. Avif. Ital.* p. 400 (1886); *Buckley & Harvie-Brown, Vertebr. Faun. Sutherl., Caithn. & West Cromarty*, p. 225 (1887); *Seebohm, Geogr. Distr. Charadr.* p. 389 (1888); *Lilford, Ibis*, 1889, p. 342 (Cyprus); *Gigl. Avif. Ital., 1st Resoc.* p. 607 (1889), *2nd Resoc.* p. 654 (1890), *3rd Resoc.* p. 513 (1891); *Seebohm, B. Japan. Emp.* p. 329 (1890); *id. Ibis*, 1892, p. 22 (Heligoland).

Limicula melanura, *Vieill. N. Dict. d'Hist. Nat.* iii. p. 250 (1816); *Roux, Orn. Prov.* pls. 303, 304 (1825).

Limosa jadrecа, *Leach, Syst. Cat. Mamm. &c. Brit. Mus.* p. 32 (1816: Lincolnshire).

Fedoa melanura, *Stephens in Shaw's Gen. Zool.* xii. p. 73 (1824).

Limosa islandica, *Brehm, Voy. Deutschl.* p. 627 (1831); *id. Vogelf.* p. 300 (1855).

Limosa leucophæa (*nec Lath.*), *Jerd. Madr. Journ.* xii. p. 208 (1840).

Limosa melanuroides, *Gould, P. Z. S.* 1846, p. 84 (Port Essington); *id. B. Austr.* vi. pl. 28 (1846); *Gray, Gen. B.* iii. p. 570 (1847); *Bp. C. R.* xliii. p. 907 (1856); *Gray, P. Z. S.* 1858, p. 197 (Torres Straits); *Blyth, Ibis*, 1865, p. 35; *Swinh. P. Z. S.* 1871, p. 406 (Amoy); *Gray, Hand-l. B.* iii. p. 43, no. 10200 (1871); *Dyb. J. f. O.* 1873, p. 104 (Kultuk); *Tacz. J. f. O.* 1874, p. 398; *Salvad. Ucc. Born.* p. 331 (1874); *Tacz. Bull. Soc. Zool. France*, i. p. 275 (1876); *Ramsay, Proc. Linn. Soc. N. S. W.* i. p. 189 (1877), ii. p. 198 (1878: Cape York); *Hume, Str. F.* viii. p. 157 (1879); *Finsch, Vog. der Südsee*, p. 22 (1882: New Britain); *Tacz. Bull. Soc. Zool. France*, viii. p. 340 (1883); *Boyd. Consp. Av. Imp. Ross.* p. 85 (1884); *Vorderm. Nat. Tydschr. Nederl. Ind.* xlvi. p. 22 (1886: Borneo); *Hume, Str. F.* xi. p. 322 (1888:

Manipur); *Ramsay, Tab. List Austr. B.* p. 20 (1880: Port Darwin; Port Essington; N. S. W.); *Everett, Journ. Straits Branch As. Soc.* 1889, p. 209 (Pontianak); *Styan, Ibis*, 1891, p. 331 (Lower Yangtse), p. 507 (Shanghai); *De La Touche, Ibis*, 1892, p. 500 (Swatow, Jan.; Foochow, Aug., Sept.); *Styan, Ibis*, 1893, p. 437 (Hainan); *Chapman, Ibis*, 1895, p. 289 (W. Jutland).

The Black-tailed Godwit, *Yarrell, British Birds*, ii. p. 563 (1843).

Limosa brachyptera, *Brehm, Vogelf.* p. 309 (1855).

Limosa grisea, *Brehm, Naumannia*, 1855, p. 291; *id. Vogelf.* p. 309 (1855).

Limosa brevipes (*nec Gray*), *Schl. Mus. Pays-Bas*, Scolopaces, p. 21 (1864); *David & Oust. Ois. Chine*, p. 460 (1877); *Blakist. & Pryer, Ibis*, 1878, p. 220; *Salvad. Orn. Papuasia etc.* iii. p. 328 (1882); *Blakist. Amended List B. Jap.* p. 11 (1884); *Gigl. & Salvad. P. Z. S.* 1887, p. 588 (Olga Bay, Corea); *Salvad. Agg. Orn. Papuasia, etc.* iii. p. 203 (1891).

Limosa ægocephala melanuroides, *Dyb. & Tacz. Bull. Soc. Zool. France*, ix. p. 146 (1884); *Stejn. Bull. U.S. Nat. Mus.* no. 29, p. 338 (1885: Kamtchatka).

Totanus melanurus, *Seebohm, Hist. Brit. B.* iii. p. 162 (1885).

Totanus melanurus melanuroides, *Seebohm, t. c.* p. 163.

Limosa limosa, *Ridgw. Proc. U.S. Nat. Mus.* viii. p. 356 (1885); *A. O. U. Check-list N. Amer. B.* p. 154 (1886); *Ridgw. Man. N. Amer. B.* p. 164 (1887); *Brusina, Motr. etc. (Orn. Croat.)* p. 90 (1890); *Sharpe, Ibis*, 1891, p. 115 (Fao); *Hagerup, B. Greenl.* p. 55 (1891: S. Greenland, chance visitor); *Hartert, Kat. Vogels. Mus. Senck.* p. 223 (1891).

Limosa belgica, *Salvad. Elenco Ucc. Ital.* p. 228 (1886); *Tait, Ibis*, 1887, p. 393 (Portugal, March); *Salvad. Ann. Mus. Gen.* (2) vi. p. 311 (1888); *Saunders, Man. Brit. B.* p. 609 (1889); *Macph. Vertebr. Faun. Lakeland*, p. 405 (1892); *Irby, Orn. Straits Gibr.* p. 289 (1895).

Limosa limosa melanuroides, *Stejn. Proc. U.S. Nat. Mus.* x. p. 131 (1887: Commander Isl.); *id. Auk*, v. p. 197 (1888); *Hartert, Kat. Vogels. Mus. Senck.* p. 223 (1891: Australia).

Limosa melanura melanuroides, *Seebohm, Geogr. Distr. Charadr.* p. 391 (1888); *Nikolski, Faun. Sakhal.* p. 266 (1889); *Seebohm, B. Japan. Emp.* p. 329 (1890); *Berezowski & Bianchi, Aves Gansu*, p. 5 (1894).

Limosa melanura brevipes, *Campbell, Ibis*, 1892, p. 246 (Corea); *Tacz. Mém. Acad. Imp. St. Pétersb.* (7) xxxix. p. 929 (1893).

Adult male in winter plumage. General colour above ashy brown, with slightly paler edges to the feathers; lower back and rump blackish brown; upper tail-coverts white, the long ones tipped with black; lesser wing-coverts darker brown than the back; median coverts dusky brown, lighter brown externally and fringed with white; greater coverts broadly tipped with white, forming a wing-band; bastard-wing blackish; primary-coverts also blackish, the inner ones broadly tipped with white; primaries blackish, with white shafts, the greater part of the inner webs white, and then sub-terminally brown, the white extending to the base of the outer web on all but the first primary and increasing in extent on the inner primaries and secondaries, the latter being white with a

broad blackish tip, which gradually diminishes in size on the inner secondaries; the innermost secondaries brown like the back; tail white at the base, with a broad black terminal band, gradually decreasing in size towards the outer feathers, which are edged with white at the tip, the centre feathers brownish at the tip; head ashy brown, the forehead more hoary; an indistinct whitish eyebrow extending from the base of the nostril to behind the eye; lores dusky grey; below the eye a whitish spot; sides of face, sides of neck, throat, and chest light ashy brown, a little darker on the sides of the body; fore part of cheeks and upper throat white, as well as the whole of the centre of the breast, abdomen, under tail-coverts, under wing-coverts, and axillaries; the edge of the wing mottled with dark brown bases to the feathers; quill-lining white: "bill pale fleshy, blackish brown at the tip; feet olivaceous green, toes blackish brown; iris brown" (*A. O. Hume*). Total length 16·5 inches, culmen 4·4, wing 8·8, tail 3, tarsus 3·2.

Adult female in winter plumage. Similar to the male in colour, but rather larger: "bill livid pink, blackish horny at the tip; feet blackish plumbeous, toes brownish; iris brown" (*A. O. Hume*). Total length 17·5 inches, culmen 5, wing 8·5, tail 3, tarsus 3·35.

Adult male in summer plumage. Differs in having the back more or less mottled with rufous and black, the crown of the head rufous with short broad streaks of black, the sides of the face and entire neck all round rufous, the fore-neck and breast overshaded with rufous and barred with dusky blackish, these bars also developed on the abdomen and on the sides of the body.

Adult female in summer plumage. Similar to the male, but with less rufous, and distinguished by the larger size.

Young. Distinguished from the adults by being darker brown above, with broad sandy-rufous edges to the feathers of the upper surface, the innermost secondaries banded with blackish brown and sandy rufous; the head rufous, streaked with dark brown, but indistinctly; sides of face buffy white, with very fine streaks of brown; throat white; lower throat, sides of neck, and chest reddish buff, slightly mottled with dusky bases to the feathers of the side of the breast; remainder of under surface white, suffused with rufescent buff, and shaded with ashy brown on the sides of the body.

It is evident from the moulting specimens in the collection that the black markings are acquired first, and that the rufous colour overspreads the plumage afterwards. Great variation in the amount of the nuptial decoration is seen in the series, and sometimes very old individuals have the abdomen, and even the under tail-coverts, barred.

The Eastern specimens of the Black-tailed Godwit are generally smaller than those from Western localities, but so many examples are met with which are impossible to distinguish, that I have not found it necessary to recognize *L. melanuroides* as a race.

Hab. Central and Northern Europe, not extending beyond the

Arctic Circle, wintering on the shores of the Mediterranean countries, and as far south as Abyssinia. The Eastern range of the true *L. limosa* extends to the valley of the Ob, according to Mr. Seebohm; and the smaller Western race breeds in Eastern Siberia, and winters in India and as far south as Australia.

a, *b*. ♂ ♀ ad. st.	Great Britain.	J. Gould, Esq.
c. Imm. st.	Aldeburgh, Suffolk, Sept.	Theodore Fisher, Esq. [P.].
d, *e*. ♀ ad. sk.	Canvey Isl., Essex, April 28.	Seebohm Coll.
f. Ad. st.	Sandgate, Kent.	Purchased.
g. Imm. st.	Pagham, Sussex.	J. E. Harting, Esq. [C.].
h. Ad. sk.	Pagham, spring (*J. E. Harting*).	Tweeddale Coll.
i. Ad. st.	Holland.	J. E. Harting, Esq. [C.].
k, *l*. Ad. sk.	Holland.	Salvin-Godman Coll.
m. Ad. sk.	Egypt, April 7 (*G. E. S.*).	Seebohm Coll.
n. Ad. sk.	Cairo, Egypt (*G. E. S.*).	Shelley Coll.
o. ♂ ad. sk.	Asia Minor, Jan. 30 (*C. G. Danford*).	Seebohm Coll.
p. Ad. sk.	Xantus, Asia Minor.	Sir C. Fellows [P.].
q, *r*. ♂ ♀ ad. sk.	Marshes of Babylonia (*Commander Jones*).	India Museum.
s. ♂ ad. sk.	Fao, Persian Gulf, Oct. 25.	W. D. Cumming, Esq. [P.].
t, *u*. Ad. sk.	Bagdad.	Kenneth Loftus, Esq. [P.].
v. ♀ ad. sk.	Caspian Sea, April.	Moscow Museum.
w. Ad. sk.	Omsk, May 27.	St. George Littledale, Esq. [P.].
x. Ad. sk.	Kashgar (*Dr. Bellew*).	India Museum.
y. ♀ ad. sk.	Candahar, March.	Colonel Swinhoe [P.].
z. Ad. sk.	Sind, Jan. (*Dr. Gould*).	India Museum.
a'. ♂ ad. sk.	Mehur, Sind, Jan. 20 (*A. O. H.*).	Hume Coll.
b'. Ad. sk.	Kutch (*Dr. Stoliczka*).	Hume Coll.
c'. Ad. sk.	Kathiawar, Dec. 5.	Colonel Hayes Lloyd [P.].
d'. Ad. sk.	Rajpootana, March 28 (*A. O. H.*).	Hume Coll.
e'–*g'*. ♂ ad.; *h'*, *i'*. ♀ ad. sk.	Sambhur Lake, Dec., Jan. (*R. M. Adam: A. O. H.*).	Hume Coll.
k'. ♂ ad. sk.	Ajmere, March 27 (*A. O. H.*).	Hume Coll.
l'–*o'*. ♂ ad. sk.	Gurgaon Distr., Jan. to March (*A. O. H.*).	Hume Coll.
p'. ♂ imm. sk.	Gurgaon Distr., Aug. 17 (*W. N. Chill*).	Hume Coll.
q'. ♀ ad. sk.	Delhi, May 25 (*C. T. Bingham*).	Hume Coll.
r'. ♂ ad.; *s'*, *t'*. ♀ ad. sk.	Allahabad, Nov. (*A. O. H.*).	Hume Coll.
u'–*w'*. ♂ ad.; *x'*. ♀ ad. sk	Etawah, Nov. to March (*A. O. H.*).	Hume Coll.

g' *c''*. Ad. sk.	Oudh.	Pinwill Coll.
d''. ♂ ad. sk.	Futtehgurh, March (*A. Anderson*).	Hume Coll.
e' *g''*. ♂ ad. sk.	Futtehgurh, March (*A. Anderson*).	Seebohm Coll.
h''. ♀ ad. sk.	Nepal Valley, Sept. 7 (*J. Scully*).	Hume Coll.
i''. Ad. sk.	Darjeeling (*Col. Sharpe*).	Seebohm Coll.
k''. Ad. sk.	Darjeeling (*Pearson*).	India Museum.
l''. Ad. sk.	Calcutta (*Blyth*).	India Museum.
m'', *n''*. ♂ ♀ ad. sk.	Calcutta, Feb., April.	Hume Coll.
o'', *p''*. ♂ ♀ ad. sk.	Dacca.	Hume Coll.
q'', *r''*. Ad. sk.	Dinapur, Dec.	Hume Coll.
s''. ♀ ad. sk.	Dehra Dun, Jan.	Colonel Swinhoe.
t''. Ad. sk.	Ladak (*Strachey*).	India Museum.
u'', *v''*, *w''*. Ad.; *x''*, *y''*. Juv. sk.	Nepal.	Hodgson Coll.
z''. ♀ ad. sk.	Tapti River, Khandeish, March 23 (*J. Davidson*).	Hume Coll.
a'. ♂ ad. sk.	Ceylon, Jan. 26 (*S. Chapman*).	Tweeddale Coll.
b' *d'*. ♀ ad. sk.	Manipur, March 19 (*A. O. H.*).	Hume Coll.
e'. Ad. sk.	Tonghoo, Burma, Oct. (*R. G. W. R.*).	Tweeddale Coll.
f'–*i'*. ♂ ♀ ad. et imm. sk.	Lower Pegu, Sept., Oct. (*E. W. O.*).	Oates Coll.
k'. ♀ ad. sk.	Moulmein, Dec. 4 (*W. Davison*).	Hume Coll.
l' *p'*. ♂ ♀ ad. et juv. sk.	Yokohama (*Pryer: Snow*).	Seebohm Coll.
q'. Ad. sk.	Shanghai, May.	J. Webb, Esq. [P.].
r' *v'*. ♂ ♀ ad. sk.	Shanghai, March, May, Nov. (*R. Swinhoe*).	Seebohm Coll.
w'. ♂ ad. sk.	Malacca, March 9 (*W. Davison*).	Hume Coll.
x'. ♀ ad. sk.	Chemulpo, Corea, Sept. 6.	C. W. Campbell, Esq. [P.].
y'. Ad. sk.	Amoy, April 22 (*R. Swinhoe*).	Seebohm Coll.
z'. Ad. sk.	Dumaguete, Negros, Feb.	E. L. Moseley, Esq. [P.].
a''. ♂ ad. sk.	Valencia, Negros, Aug. (*A. H. Everett*).	Tweeddale Coll.
b''. Ad. sk.	Java (*Horsfield*).	India Museum.
c''. Ad. sk.	Port Essington (*Gilbert*).	Seebohm Coll.
d''. Ad. sk.	Wide Bay, Queensland.	Seebohm Coll.
e'', *f''*. Skeletons.	Europe.	Purchased.
g'', *h''*. Skulls.	Europe.	Yarrell Coll.
i''. Bones of trunk.	Nepal.	Hodgson Coll.
k''. Sternum.	Algeria.	Purchased.
l''. Sternum.	Europe.	J. Ingall, Esq. [P.].

3. Limosa hudsonica.

The Red-breasted Godwit, *Edwards, Nat. Hist. B.* iii. p. 138, pl. 138 (1750).

? The White Godwit from Hudson's Bay, *Edwards, t. c.* p. 139, pl. 139.

? Scolopax alba, *Linn. Syst. Nat.* i. p. 247 (1766).

? Scolopax candida, *Linn. t. c.* p. 247; *Gm. Syst. Nat.* i. p. 668 (1788).

Hudsonian Godwit, *Pennant, Arct. Zool., Suppl.* p. 68 (1787); *Lath. Gen. Syn., Suppl.* i. p. 246 (1787); *Nuttall, Man. Orn.* ii. p. 175 (1834).

Scolopax lapponica, var. β, *Gm. Syst. Nat.* i. p. 667 (1788).

Scolopax hudsonica, *Lath. Ind. Orn.* ii. p. 720 (1790).

Limicola hudsonica, *Vieill. N. Dict. d'Hist. Nat.* iii. p. 250 (1816).

Limosa melanura (*nec Leisl.*), *Sabine in Frankl. Journ. Polar Sea*, i. p. 689 (1823).

Fedoa hudsonica, *Stephens in Shaw's Gen. Zool.* x. p. 81 (1824).

Limosa hudsonica, *Swains. Faun. Bor.-Amer., Birds*, p. 396 (1831: Fort William, Lake Superior; Fort Franklin); *Audub. B. Amer.* pl. cclviii. (1834–35); *id. Orn. Biogr.* iii. p. 426 (1835); *Bp. Comp. List B. Eur. & N. Amer.* p. 52 (1838); *Audub. Orn. Biogr.* v. p. 592 (1839); *Gould in Darwin's Voy. 'Beagle,' Birds*, p. 129 (1841: Chiloe; Falkland Isl.); *Fraser, P. Z. S.* 1843, p. 118 (Chili); *Audub. B. Amer.* 8vo, v. p. 335, pl. 349 (1843); *Giraud, B. Long Isl.* p. 260 (1844); *Gay, Faun. Chil., Zool.* i. p. 420 (1847); *Gray, Gen. B.* iii. p. 570 (1847); *Reichenb. Grall.* tab. cccIviii. figs. 2813–14 (1850); *Licht. Nomencl. Av. Mus. Berol.* p. 91 (1854: Chili); *Bp. C. R.* xliii. p. 597 (1856); *Cab. J. f. O.* 1856, p. 350 (Cuba); *Cass. in Baird's B. N. Amer.* p. 741 (1858); *Scl. P. Z. S.* 1860, p. 387 (Falkland Isl.); *Abbott, Ibis*, 1861, p. 156 (Falkland Isl., May); *Gundl. J. f. O.* 1862, p. 84 (Cuba); *Verrill, Proc. Ess. Inst.* iii. p. 158 (1862: Maine); *Boardm. Proc. Bost. Soc. Nat. Hist.* ix. p. 129 (1862: Maine); *Blakist. Ibis*, 1863, p. 134 (Hudson's Bay: Mackenzie R.); *Allen, Proc. Ess. Inst.* iv. p. 87 (1864: Springfield, Massachusetts); *Schl. Mus. Pays-Bas*, Scolopaces, p. 22 (1864: Mexico; Falkland Isl.); *Pelz. Reis. Novara, Vög.* p. 128 (1865: Chiloe); *McIlwr. Proc. Ess. Inst.* v. p. 93 (1866: Hamilton, Canada West); *Scl. P. Z. S.* 1867, pp. 332, 339; *Coues, Proc. Bost. Soc. Nat. Hist.* xii. p. 123 (1868: S. Carolina); *id. Proc. Ess. Inst.* v. p. 296 (1868: New England); *Dall & Bann. Trans. Chic. Acad.* i. p. 293 (1869: mouth of River Yukon); *Scl. & Salv. P. Z. S.* 1869, p. 252 (Lake Valencia, Venezuela); *id. Ibis*, 1870, p. 500 (Ancud; Chiloe, Nov.); *Pelz. Orn. Bras.* p. 308 (1871: Caiçara); *Gray, Hand-l. B.* iii. p. 43, no. 10264 (1871); *Coues, Key N. Amer. B.* p. 258 (1872); *Scl. & Salv. Nomencl. Av. Neotr.* p. 146 (1873); *iid. P. Z. S.* 1873, p. 456; *Coues, B. N.-West*, p. 494 (1874); *Gundl. J. f. O.* 1875, p. 320 (Cuba); *Reid, Zool.* 1877, p. 477 (Bermudas); *Durnf. Ibis*, 1877, p. 43 (Chupat Valley), p. 200 (Buenos Ayres); *Ernst, Flor. y Faun. Venez.* p. 312 (1877); *Adams, Ibis*, 1878, p. 439 (Michalaski); *Lawr. Proc. U.S. Nat. Mus.* i. p. 450 (1878: Guadeloupe); *Maynard, B. East. N. Amer.* p. 396 (1879); *Kumlien, Contr. Nat. Hist. Arct. Amer.* p. 87 (1879: Cape Edwards, Cumberland Sound, Sept.); *White, P. Z. S.* 1883, p. 42 (Buenos Ayres); *Macfarl. Ibis*, 1887, p. 204 (St. Nicholas Bay); *Seebohm, Geogr. Distr. Charadr.* p. 392 (1888); *Oust. Miss. Sci. Cap Horn, Ois.* p. 291 (1891); *James, New List Chilian B.* p. 12 (1892).

Limosa edwardsi, *Sevains. Faun. Bor.-Amer., Birds*, p. 398, note (1831).

The White Godwit, *Nuttall, Man. Orn.* ii. p. 179 (1834).

Limosa australis, *Gray, List Grall. Brit. Mus.* p. 95 (1844: San Salvador Bay, E. Falkland Isl.).

Limosa alba, *Gray, Gen. B.* iii. p. 570 (1847).

Limosa hæmastica, *Coues* (*ex Linn.* 1758), *Bull. U.S. Geol. Surv.* iv. p. 641 (1878: Milk River); *id. Bull. Nutt. Orn. Club*, 1880, p. 100; *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 200 (1880); *id. Bull. U.S. Nat. Mus.* no. 21. p. 45 (1881); *Coues, Check-list N. Amer. B.* p. 102 (1882); *Nelson, Cruise R. S. 'Corwin,'* p. 89 (1883); *Stearns, Proc. U.S. Nat. Mus.* vi. p. 119 (1883: Old Fort Isl., Labrador); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 300 (1884); *Agersb. Auk*, ii. p. 286 (1885: S.E. Dakota); *Turner, Proc. U.S. Nat. Mus.* viii. p. 247 (1885: Rupert House, Labrador); *A. O. U. Check-list N. Amer. B.* p. 154 (1886); *Seton, Auk*, iii. p. 152 (1886: Manitoba); *Dutcher, t. c.* p. 437 (Long Isl.); *Ridgw. Man. N. Amer. B.* p. 104 (1887); *Nelson, Nat. Hist. Coll. Alaska*, p. 117 (1887); *Cory, Auk*, iv. p. 316 (1887: Cuba); *Scl. & Huds. Argent. Orn.* ii. p. 191 (1889); *Cantwell, Auk*, vi. p. 340 (1889: Minnesota); *Feilden, Ibis*, 1889, p. 495 (Barbados); *Clarke, Auk*, vii. p. 321 (1890: Hudson's Bay); *Thomps. Proc. U.S. Nat. Mus.* xiii. p. 502 (1890: Manitoba, rare migrant); *MacFarl. Proc. U.S. Nat. Mus.* xiv. p. 428 (1891: Lower Anderson R.); *Bagg, Auk*, xi. p. 163 (1894: Oneida Co., New York); *Trowbridge, Ibis*, 1894, p. 449; *Chapm. Bull. Amer. Mus.* vi. p. 77 (1894: Trinidad).

Totanus hudsonica, *Seebohm, Hist. Brit. B.* iii. p. 163 (1885).

Adult male in breeding-plumage. General colour above black, mottled with white edges and rufous markings to the feathers, the rufous taking the form of spots and notches; lower back black, with obsolete white fringes to the feathers; upper tail-coverts black, the lateral ones with white bars; tail black, narrowly tipped with white, and showing a good deal of white at the base of the outer web; wing-coverts brown, with much less rufous than the back, the greater series edged with white at the ends, the inner greater coverts notched with rufous like the inner secondaries; bastard-wing and primary-coverts black, with a large spot of white at the ends of the inner primary-coverts; quills blackish, the primaries with white shafts; head ashy brown, slightly washed with rufous, the feathers mesially centred with blackish brown; a tolerably distinct whitish eyebrow, lined with dusky brown streaks; lores dusky; below the eye a white spot; sides of face and sides of neck and chin whitish, with a slight rufescent tinge, streaked with minute spots of dusky brown; lower throat and under surface of body deep chestnut, streaked on the throat and fore-neck and barred on the rest of the under surface with dusky blackish; under tail-coverts broadly barred with rufous and black and tipped with white; axillaries and under wing-coverts slaty blackish, the outer coverts with broad white edgings; quills dusky below, with a little white at the base of the inner web: "bill greyish yellow, dark brown along the ridge of the upper mandible, and blackish towards the tips of both; feet light greyish blue; iris brown" (*J. J.*

Audubon). Total length 14 inches, culmen 3·3, wing 8·1, tail 2·9, tarsus 2·2.

Adult female in breeding-plumage. Similar to the male, but never so fully assuming the red plumage. Total length 14 inches, culmen 3·7, wing 8·7, tail 2·9, tarsus 2·5.

Adult in winter plumage. Ashy brown with dusky shaft-lines to the feathers; rump darker and more of a dusky blackish; upper tail-coverts white with black tips; tail black, white at base; wing-coverts ashy brown with whitish edges, broader on the greater series, the lesser coverts darker brown; quills as in the summer plumage, the innermost secondaries ashy brown like the back; crown of head uniform ashy brown, the hind-neck slightly fulvescent; lores and feathers in front of the eye dusky brown, surmounted by a broad streak of dull white; sides of face and sides of neck ashy grey, whiter below the eye; throat and under surface of body white, the lower throat, fore-neck, and chest ashy grey, with whitish edges to the feathers; axillaries and under wing-coverts blackish, the latter edged with white.

Young. Similar to the winter plumage of the adult, but a little darker ashy brown, the feathers of the upper parts mottled with tawny-buff edges, before which is a sub-terminal black mottling or bars, the centre tail-feathers similarly mottled with buff, and the inner secondaries barred with the same colour; crown of head ashy brown with dusky blackish streaks; throat dull white; lower throat, fore-neck, and chest light ashy, washed with pale cinnamon-buff, which pervades the rest of the under surface, leaving only the abdomen white; sides of body slightly browner; axillaries and under wing-coverts black, with broad white margins to the latter.

Hab. North America from Alaska to Hudson's Bay, and south to the eastward of the Rocky Mountains, migrating through the Eastern United States south by way of Cuba to South America, where it is found down to Chili and even the Falkland Islands.

a. ♂ ad. sk.	North America, May 19 (*Henshaw Coll.*).	Salvin-Godman Coll.
b. ♀ ad. sk.	Nulato, Alaska, spring (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
c. ♂ ad. sk.	Fort Kenia, Alaska, May 5 (*F. Bischoff*: *Hensh. Coll.*).	Salvin-Godman Coll.
d. Ad. sk.	Hudson's Bay.	Capt. Herd [P.].
e–i. Ad. sk.	Repulse Bay.	Dr. J. Rae [P.].
k. ♂ ad. sk.	Big Isl., Great Slave Lake.	B. R. Ross, Esq [P.].
l. Ad. sk.	Big Isl. (*J. Reid*).	Salvin-Godman Coll.
m. Ad. sk.	49th Parallel, May 27 (*G. Dawson*).	N. A. Bound. Comm.
n. Ad. sk.	New Jersey.	Seebohm Coll.
o. ♀ ad. sk.	Long Isl., New York, May (*C. J. Maynard*).	Seebohm Coll.
p. ♂ juv. sk.	Massachusetts, Oct. 10 (*Henshaw Coll.*).	Salvin-Godman Coll.
q. ♂ juv. sk.	Ipswich, Massachusetts, Oct. 20 (*C. J. Maynard*).	Seebohm Coll.

r. ♀ imm. sk.	Philadelphia (*J. Krider*).	Seebohm Coll.
s, *t*. Ad. sk.	Chicago, Illinois (*S. C. Bowman*: *Hensh. Coll.*).	Salvin-Godman Coll.
u, *v*. ♂ ♀ ad. sk.	California.	Seebohm Coll.
w–*x*. ♂ ♀ ad. sk.	Brownsville, Texas, April, May (*F. B. Armstrong*).	Salvin-Godman Coll.
y. ♂ ad. hiem. sk.	Laguna de Valencia, Venezuela, Oct. (*A. Goering*).	Salvin-Godman Coll.
z. ♂ ad. hiem. sk.	La Plata, Buenos Ayres, Nov. 10 (*E. W. White*).	Salvin-Godman Coll.
a'. ♂ ad. sk.	Argentine Republic, May 24 (*W. H. Hudson*).	Salvin-Godman Coll.
m'. Ad. hiem. sk.	Chupat, Patagonia, Nov. 13.	H. Durnford, Esq. [P.].
n', *o'*. Ad. sk.	Falkland Islands.	Sir W. Burnett & Admiral Fitzroy [P.].
p'. ♂ ad. hiem. sk.	Straits of Magellan, Nov. 16 (*Dr. Cunningham*).	Salvin-Godman Coll.

4. Limosa fedoa.

The Greater American Godwit, *Edwards, Nat. Hist. B.* iii. p. 137, pl. 137 (1750).

La Barge rousse d'Amérique, *Briss. Orn.* v. p. 287 (1760).

Scolopax fedoa, *Linn. Syst. Nat.* i. p. 244 (1766); *Gm. Syst. Nat.* i. p. 663 (1788); *Wilson, Amer. Orn.* vii. p. 30, pl. 56. fig. 4 (1813).

American Godwit, *Lath. Gen. Syn.* iii. pt. 1, p. 142 (1785).

Marbled Godwit, *Pennant, Arctic Zool., Suppl.* p. 68 (1787); *Lath. Gen. Syn. Suppl.* i. p. 68 (1787).

Scolopax marmorata, *Lath. Ind. Orn.* ii. p. 720 (1790).

Limicula fedoa, *Vieill. N. Dict. d'Hist. Nat.* iii. p. 248 (1816).

Limicola marmorata, *Vieill. t. c.* p. 248; *id. Gal. Ois.* ii. p. 115, pl. 343 (1825).

Limosa fedoa, *Sabine in Frankl. Journ. Polar Bey.* i. p. 689 (1823); *Audub. B. Amer.* pl. ccxxxviii. (c. 1828); *Swains. Faun. Bor.-Amer., Birds*, p. 335 (1831: Saskatchewan Plains); *Audub. Orn. Biogr.* iii. p. 287 (1835); *Bp. Comp. List B. Eur. & N. Amer.* p. 52 (1838); *Audub. Orn. Biogr.* v. p. 590 (1839); *id. B. Amer.* 8vo, v. p. 331, pl. 348 (1843); *Giraud, B. Long Isl.* p. 259 (1844); *Gray, List Grall. Brit. Mus.* p. 95 (1844); *id. Gen. B.* iii. p. 570 (1847); *Lembeye, Av. Cuba*, p. 90 (1850); *Reichenb. Grall.* tab. lxxvi. fig. 572 (1850); *Licht. Nomencl. Av. Mus. Berol.* p. 91 (1854); *Bp. C. R.* xlm. p. 597 (1856); *Cab. J. f. O.* 1856, p. 350 (Cuba); *Cass. in Baird's B. N. Amer.* p. 740 (1858); *Sel. & Salv. Ibis*, 1859, p. 230 (Belize); *Moore, P. Z. S.* 1859, p. 64 (British Honduras); *Brewer, Proc. Bost. Soc. Nat. Hist.* vii. p. 308 (1860: Cuba); *Verrill, Proc. Ess. Inst.* iii. p. 158 (1862: Maine); *Gundl. J. f. O.* 1862, p. 84 (Cuba); *Allen, Proc. Ess. Inst.* iv. p. 87 (1864: Massachusetts); *Schl. Mus. Pays-Bas*, Scolopaces, p. 23 (1864); *Salvin, Ibis*, 1865, p. 130 (Guatemala); *Dresser, Ibis*, 1866, p. 39 (Texas); *McIlvr. Proc. Ess. Inst.* v. p. 93 (1866: Hamilton, Canada West); *Coues, t. c.* p. 286 (1868: New England); *Lawr. Ann. Ly. N. Y.* ix. p. 210 (1868: Northern Yucatan); *Coues, Proc. Bost. Soc. Nat. Hist.* xii. p. 123 (1868: South Carolina); *Gray, Hand-l. B.* iii. p. 43, no. 10283 (1871); *Trippe, Proc. Ess. Inst.* vi. p. 119 (1871: Minnesota); *Allen, Bull. Harv. Coll.* ii. p. 358 (1871: Florida, winter); *Coues, Proc. Acad. Nat. Sci. Philad.* 1871, p. 32 (Fort Macon, N. Carolina); *Trippe, Proc. Bost.*

Soc. Nat. Hist. xv. p. 241 (1872: Southern Iowa); *Coues, Key N. Amer. B.* p. 257 (1872); *Snow, B. Kansas*, p. 10 (1873); *Scl. & Salv. Nomencl. Av. Neotr.* p. 146 (1873); *Ridgw. Ann. Lyc. N. Y.* x. p. 384 (1874: Illinois); *Coues, B. N.-West*, p. 492 (1874); *Lawr. Mem. Bost. Soc. Nat. Hist.* ii. p. 308 (1874: Mazatlan); *Hensh. Rep. Zool. Expl.* 100*th Merid.* p. 457 (1875); *Gundl. J. f. O.* 1875, p. 320; *Lawr. Bull. U.S. Nat. Mus.* no. 4, p. 47 (1876: Tehuantepec); *Scl. & Salv. P. Z. S.* 1877, p. 141 (Santa Rosa, Ecuador); *Gundl. Anal. Soc. Esp. Nat.* vii. p. 368 (1878: Porto Rico); *Coues, Bull. U.S. Geol. Surv.* iv. p. 641 (1878: Pembina); *Merrill, Proc. U.S. Nat. Mus.* i. p. 162 (1878: Fort Brown, Texas); *Maynard, B. East. N. Amer.* p. 396 (1879); *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 200 (1880); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 255 (1884); *Drew, Auk*, ii. p. 18 (1885: Colorado); *Agersb. t. c.* p. 286 (S.E. Dakota); *A. O. U. Check-l. N. Amer. B.* p. 153 (1886); *Everm. Auk*, iii. p. 91 (1886: Ventura Co., Calif.); *Seton, t. c.* p. 152 (Manitoba); *Scott. t. c.* p. 386 (San Pedro River, Arizona); *Dutcher, t. c.* p. 436 (Long Isl.); *Tacz. Orn. Pérou*, iii. p. 379 (1886); *Wells, Proc. U.S. Nat. Mus.* ix. p. 628 (1887: Grenada); *Cory, Auk*, iv. p. 316 (1887: West Indies); *Towns. Proc. U.S. Nat. Mus.* ix. pp. 163, 198, 235 (1887: Northern California); *Ridgw. Man. N. Amer. B.* p. 163 (1887); *Seebohm, Geogr. Distr. Charadr.* p. 388 (1888); *Beckham, Proc. U.S. Nat. Mus.* xi. pp. 642, 652 (1888: S.W. Texas); *Everm. Auk*, v. p. 349 (1888: Carroll Co., Indiana); *Scott, Auk*, vi. p. 157 (1889: Gulf Coast of Florida); *Salvin, Ibis*, 1889, p. 379 (Cozumel Isl.); *Cory, B. West Indies*, p. 237 (1889: Greater Antilles); *Thomps. Proc. U.S. Nat. Mus.* xiii. p. 501 (1890: Manitoba); *Cory, Cat. B. West Indies*, p. 93 (1892: Greater and Lesser Antilles); *Scott, Auk*, ix. p. 212 (1892: Caloosahatchie Region, Florida); *Allen, Auk*, x. p. 125 (1893); *Fisher, N. Amer. Faun.* no. 7, p. 23 (1893: Morro Bay, Cal.); *Chapm. Bull. Amer. Mus. Nat. Hist.* vi. p. 77 (1894).

Fedoa americana, *Stephens in Shaw's Gen. Zool.* xii. p. 71 (1824).

Great Marbled Godwit, *Nuttall, Man. Orn.* ii. p. 173 (1834).

Limosa adspersa, *Naum. Vög. Deutschl.* viii. p. 429 (1836), *ex Licht.*; *Reichenb. Grall.* tab. lxxvi. fig. 573 (1850).

Limosa foeda, *Belding, Proc. U.S. Nat. Mus.* iv. p. 527 (1881: San Quinton Bay, Lower California); *Coues, Check-list N. Amer. B.* p. 102 (1882); *id. Key N. Amer. B.* 2nd ed. p. 635 (1884).

Totanus fedoa, *Seebohm, Hist. Brit. B.* iii. p. 158 (1885).

Adult female in breeding-plumage. General colour above blackish, mottled all over with pale cinnamon-buff, the feathers spotted or barred with this colour; lesser wing-coverts like the back, the median and greater coverts pale cinnamon with whitish edges, centred longitudinally with dark brown and mottled with dusky spots or bars, the inner greater coverts notched and barred with cinnamon-buff like the inner secondaries; bastard-wing and primary-coverts blackish; quills for the most part cinnamon-rufous, slightly mottled or marbled with dusky brown, the outer webs nearly uniform dark brown, the first primary with a white shaft, the remainder with whity-brown shafts; secondaries pale cinnamon with slight dusky mottlings, the innermost secondaries like the back; entire back ashy brown, barred with dusky brown; upper tail-coverts pale cinnamon-buff, with dusky brown bars somewhat concentric in

shape; tail-feathers cinnamon-buff, with irregular dusky bars; crown of head brown, with broad streaks of blackish; hind-neck rather lighter and more narrowly streaked; centre of forehead and lores white, dotted with brown; a tolerably distinct white eyebrow; sides of face whitish, with minute spots of brown; throat white; remainder of the under surface, from the lower throat downwards, pale cinnamon-buff, with wavy bars of dusky brown on the fore-neck, breast, and sides of body; under wing-coverts and axillaries uniform cinnamon-buff; quills dusky below, rufescent on the inner webs: "bill dull flesh-colour on its basal half, the rest blackish brown; feet bluish grey; iris brown" (*J. J. Audubon*). Total length 16 inches, culmen 4·7, wing 9·3, tail 3·1, tarsus 3·2.

Adult male in breeding-plumage. Similar to the female, but smaller. Total length 14·5 inches, culmen 3·6, wing 8·5, tail 3, tarsus 2·65.

Young birds have no bars on the under surface and are of a pale cinnamon colour.

Hab. North America, breeding from Iowa, Dakota, &c., north to Alaska, according to Mr. Ridgway; wintering in Central America as far south as Guatemala and Cuba.

a. Ad. sk.	N. America.	Hudson's Bay Co.
b. Ad. sk.	N. America.	Sir J. Richardson [P.].
c. Ad. st.	N.W. America.	Sir E. Belcher [P.].
d. Ad. sk.	N.W. America.	Gould Coll.
e. Ad. sk.	49th Parallel, May 31.	N. A. Bound. Comm.
f. Ad. sk.	California.	Salvin-Godman Coll.
g. Ad. sk.	Humboldt Bay, California, Nov. 3 (*C. H. Townsend*: *Hensh. Coll.*).	Salvin-Godman Coll.
h, i. ♂ ♀ ad. sk.	San Diego, California, Oct. (*H. W. Henshaw*).	Salvin-Godman Coll.
k. Juv. sk.	Laguna, California, Oct. 1 (*H. W. H.*).	Salvin-Godman Coll.
l, m. ♂ ♀ ad. sk.	Corpus Christi, Texas, Oct. (*F. B. Armstrong*).	Salvin-Godman Coll.
n. ♀ ad. sk.	Cedar Keys, Florida, Nov. (*H. W. H.*).	Salvin-Godman Coll.
o, p. Ad. sk.	Cozumel Island (*G. F. Gaumer*).	Salvin-Godman Coll.
q, t. Ad. sk.	Chiapam, Guatemala, Jan.	Salvin-Godman Coll.
s. Juv. sk.	Chiapam (*O. Salvin*).	Tweeddale Coll.
r. Skull.	N. America.	Old Coll.

44. MACRORHAMPHUS.

	Type.
Macrorhamphus, *Leach, Syst. Cat. Mamm. & B. Brit. Mus* p. 31 (1816)	M. griseus.
Limnodromus, *Neuwied, Beitr. Naturg. Brasil.* iv. Abth. 2, p. 716 (1833)	M. griseus.
Pseudoscolopax, *Blyth, J. A. S. Beng.* xxviii. p. 280 (1859)	M. taczanowskii.

Range. North America generally, from the Arctic Regions south to Central and South America; Eastern Siberia, wintering in the Burmese countries and N.E. Bengal.

Key to the Species.

a. Smaller; culmen less than 3 inches: rump white; axillaries and under wing-coverts, as well as the sides of the body and under tail-coverts, profusely barred with dusky ..... *griseus*, p. 394.

b. Larger; culmen more than 3 inches: rump mottled with black; axillaries and under wing-coverts white or with only a few dusky frecklings ..... *taczanowskii*, p. 400.

1. Macrorhamphus griseus.

Brown Snipe, *Lath. Gen. Syn.* iii. pt. 1, p. 154 (1785); *Pennant, Arct. Zool.* ii. p. 464 (1785).

Red-breasted Snipe, *Lath. Gen. Syn.* iii. pt. 1, p. 153 (1785); *Pennant, Arct. Zool.* ii. p. 464 (1785).

Scolopax grisea, *Gm. Syst. Nat.* i. p. 658 (1788); *Lath. Ind. Orn.* ii. p. 724 (1790); *Temm. Man. d'Orn.* ii. p. 679 (1820); *Fleming, Brit. Anim.* p. 106 (1828); *Bp. Amer. Orn.* iv. p. 51, pl. 23 (1832); *Schl. Rev. Crit.* p. lxxxvi (1844); *Harting, Birds Middlesex*, p. 195 (1866: R. Brent).

Scolopax noveboracensis, *Gm. Syst. Nat.* i. p. 658 (1788); *Lath. Ind. Orn.* ii. p. 723 (1790); *Wilson, Amer. Orn.* vii. p. 45, pl. 58. fig. 1 (1813); *Swains. Faun. Bor.-Amer., Birds*, p. 398 (1831: Saskatchewan Plains); *Audub. Orn. Biogr.* iv. p. 285, pl. 335 (1838); *id. B. Amer.* 8vo, vi. p. 10, pl. 351 (1843); *Giraud, B. Long Isl.* p. 263 (1844); *Putnam, Proc. Ess. Inst.* i. p. 218 (1856: Massachusetts).

Scolopax leucophæa (*nec Lath.*), *Vieill. N. Dict. d'Hist. Nat.* iii. p. 358 (1816); *id. Gal. Ois.* ii. p. 110, pl. 241 (1834).

Macrorhamphus griseus, *Leach, Syst. Cat. Mamm. etc. Brit. Mus.* p. 31 (1816: Devonshire); *Stephens in Shaw's Gen. Zool.* xii. p. 61, pl. 9 (1824); *Jard. ed Wilson's Amer. Orn.* ii. p. 337 (1832); *Jenyns, Man. Brit. Vertebr.* p. 207 (1835); *Gould, B. Eur.* iv. pl. 323 (1837); *Bp. Comp. List B. Eur. & N. Amer.* p. 52 (1838); *Gray, List Grall. Brit. Mus.* p. 109 (1844: Devonshire); *id. Gen. B.* iii. p. 582 (1846); *Schomb. Reis. Guian.* iii. p. 758 (1848); *Reichenb. Grall.* tab. ccclvi. figs. 2793–95 (1850); *Macgill. Brit. B.* iv. p. 275 (1852); *Bp. C. R.* xliii. p. 579 (1856); *Baird, B. N. Amer.* p. 712 (1858); *Cooper & Suckley, N. H. Washington Territory*, p. 238 (1860); *Scl. & Salv. Ibis*, 1860, p. 277 (San Gerónimo, Guatemala); *Lawr. Ann. Lyc. N. Y.* vii. p. 273 (1861: Cuba); *Reinh. Ibis*, 1861, p. 11 (Greenland); *Coues, Proc. Acad. Nat. Sci. Philad.* 1861, p. 229 (Labrador); *Lawr. Ann. Lyc. N. Y.* vii. p. 479 (1862: Panama); *Boardm. Proc. Bost. Soc. Nat. Hist.* ix. p. 128 (1862: Maine); *Gundl. J. f. O.* 1862, p. 85 (Cuba); *Verrill, Proc. Ess. Inst.* iii. p. 158 (1862: Maine); *Gray, Cat. Brit. B.* p. 172 (1863); *Blakist. Ibis*, 1863, p. 131 (Fort Carlton); *Allen, Proc. Ess. Inst.* iv. p. 86 (1864: Springfield, Massachusetts); *Lawr. Ann. Lyc. N. Y.* viii. p. 101 (1864: Sombrero); *Salvin, Ibis*, 1865, p. 191 (Guatemala); *Dresser, t. c.* p. 313 (Southern Texas); *Coues, Proc. Acad. Nat. Sci. Philad.* 1866, p. 97 (Arizona); *Dresser, Ibis*, 1866, pp. 36, 37 (Matamoras); *McIlwr. Proc. Ess. Inst.* v. p. 92 (1866: Hamilton, Canada West); *Léot*

Ois. Trinid. p. 482 (1866: Aug. to Oct.); *Degl. et Gerbe, Orn. Eur.* ii. p. 174 (1867); *Baird, Ibis*, 1867, p. 285; *Brown, Ibis*, 1868, p. 425 (Vancouver Isl.); *Coues, Proc. Ess. Inst.* v. p. 203 (1868: New England); *id. Proc. Bost. Soc. Nat. Hist.* xii. p. 122 (1868: S. Carolina); *Dall & Bann. Trans. Chic. Acad.* i. p. 291 (1869: Mouth of Yukon R.; Pastolik); *Stevens. B. Norf.* ii. p. 348 (1870); *Gray, Hand-l. B.* iii. p. 51, no. 10325 (1871); *Coues, Proc. Acad. Nat. Sci. Philad.* 1871, p. 30 (N. Carolina); *Pelz. Orn. Bras.* p. 313 (1871: Cajutuba); *R. Gray, B. West Scotl.* p. 314 (1871); *Harting, Brit. B.* p. 144 (1872); *Gould, B. Gt. Brit.* iv. pl. 76 (1872); *Trippe, Proc. Bost. Soc. Nat. Hist.* xv. p. 241 (1872: Iowa); *Allen, Bull. Mus. C. Z.* iii. p. 181 (1872: Great Salt Lake, Utah); *Coues, Key N. Amer. B.* p. 253 (1872); *Scl. & Salv. Nomencl. Av. Neotr.* p. 145 (1873); *iid. P. Z. S.* 1873, p. 455; *Coues, B. N.-West*, p. 476 (1874); *Gundl. J. f. O.* 1875, p. 322 (Cuba); *Hensh. Rep. 100th Merid.* p. 453 (1875: Utah; Colorado; Arizona); *Reid, Zool.* 1877, p. 476 (Bermudas); *Dresser, B. Eur.* viii. p. 187, pl. 571 (1878); *Adams, Ibis*, 1878, p. 438 (Michalaski); *Coues, Bull. U.S. Geol. Surv.* iv. p. 638 (1878: Moose River); *Merrill, Proc. U.S. Nat. Mus.* i. p. 161 (1878: Fort Brown, Texas); *Belding, t. c.* p. 440 (Stockton, Calif.); *Lawr. t. c.* p. 451 (Guadeloupe); *Sel. & Salv. P. Z. S.* 1879, p. 547 (Medellin, Antioquia); *Maynard, B. East N. Amer.* p. 370 (1879); *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 109 (1880); *A. & E. Newt. Handb. Jamaica*, p. 116 (1881); *Coues, Check-list N. Amer. B.* p. 100 (1882); *Stearns, Proc. U.S. Nat. Mus.* vi. p. 119 (1883: Labrador); *B. O. U. List Brit. B.* p. 177 (1883); *Saunders, ed. Yarrell's Brit. B.* iii. p. 357 (1883); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 196 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 622 (1884); *Turner, Proc. U.S. Nat. Mus.* viii. p. 246 (1885: Fort Chimo; Davis Straits, Labrador); *Dresser, Auk*, ii. p. 18 (1885: Colorado); *A. O. U. Check-list N. Amer. B.* p. 148 (1886); *Tacz. Orn. Pérou*, iii. p. 373 (1886: Tumbez); *Salvin, Ibis*, 1886, p. 179 (British Guiana); *Elon, Auk*, iii. p. 151 (1886: Manitoba); *Harvie-Brown & Buckley, Vertebr. Faun. Caithness*, p. 224 (1887); *Lloyd, Auk*, iv. p. 185 (1887: Western Texas); *Cory, t. c.* p. 312 (Bahamas; Cuba; Jamaica); *Beckham, Proc. U.S. Nat. Mus.* x. pp. 637, 642, 652 (1887: S.W. Texas); *Ridgw. Man. N. Amer. B.* p. 151 (1887); *Harvie-Brown & Buckley, Vertebr. Faun. Outer Hebrides*, p. 130 (1888); *Sennett, Auk*, v. p. 100 (1888: Corpus Christi); *Scott, Auk*, vi. p. 178 (1889: Tarpon Springs, Florida); *Salvin, Ibis*, 1889, p. 379 (Yucatan); *Feilden, t. c.* p. 492 (Barbados); *Cory, B. West Ind.* p. 253 (1889); *Saunders, Man. Brit. B.* pp. 561, 736 (1889); *Warren, B. Pennsylv.* p. 82 (1890); *Clarke, Auk*, vii. p. 321 (1890: Hudson's Bay); *White, t. c.* p. 400 (Ottawa); *Hamilton, P. Z. S.* 1891, p. 627 (Argyll-shire); *Cory, Cat. B. West Ind.* p. 92 (1892: Greater and Lesser Antilles); *Harvie-Brown & Buckley, Vertebr. Faun. Argyll*, p. 177 (1892); *Macph. Vertebr. Faun. Lakeland*, p. 378 (1892); *Scott, Auk*, ix. p. 13 (1892: Jamaica); p. 212 (Caloosahatchie Region, Florida); *Allen, Auk*, x. p. 125 (1893); *Field, Auk*, xi. p. 122 (1894: Port Henderson).

Scolopax jaykullii, *Nilss. Orn. Suec.* ii. p. 106, tab. vi. (1817).

Totanus ferrugineicollis, *Vieill. Enc. Meth.* iii. p. 1060 (1823).

Totanus noveboracensis, *Sabine in Frankl. Journ. Polar Sea*, i. p. 687 (1823).

Limosa scolopacea, *Say in Long's Exped. Rocky Mts.* i. p. 170 (1823).

Macrorhamphus punctatus, *Less. Traité d'Orn.* p. 556 (1831).

Limnodromus noveboracensis, *Neuwied, Beitr. Naturg. Bras.* iv. p. 717 (1832).

The Brown or Red-breasted Snipe, *Nuttall, Man. Orn.* ii. p. 181 (1834).

Limnodromus griseus, *Lembeye, Av. Cuba*, p. 91 (1850).

Scolopax longirostris, *Bell, Ann. Lyc. N. Y.* v. p. 3 (1852: Long Isl.).

Macrorhamphus scolopaceus, *Lawr. Ann. Lyc. N. Y.* v. p. 4, pl. i. (1852); *Licht. Nomencl. Av. Mus. Berol.* p. 93 (1854); *Bp. C. R.* xliii. p. 579 (1856); *Baird, B. N. Amer.* p. 712 (1858); *Henry, Proc. Acad. Nat. Sci. Philad.* 1859, p. 108 (New Mexico); *Lawr. Ann. Lyc. N. Y.* vii. p. 272 (1861: Cuba); *Blakist. Ibis*, 1863, p. 132 (Mackenzie R.); *Coues, Ibis*, 1866, p. 271 (California); *id. Proc. Ess. Inst.* v. p. 293 (1868: New England); *Lawr. Ann. Lyc. N. Y.* ix. p. 141 (1869: Costa Rica); *Dall & Bann. Trans. Chic. Acad.* i. p. 291 (1869: Yukon R.; Pastolik); *Gray, Hand-l. B.* iii. p. 51, no. 10326 (1871); *Scl. & Salv. Nomencl. Av. Neotr.* p. 145 (1873); *Lawr. Mem. Bost. Soc. Nat. Hist.* ii. p. 308 (1874: Mazatlan); *A. O. U. Check-list N. Amer. B.* p. 148 (1886); *Dutcher, Auk*, iii. p. 436 (1886: Long Island); *Turner, Contr. Nat. Hist. Alaska*, p. 146 (1886: St. Michael's, breeding); *Nelson, Nat. Hist. Coll. Alaska*, p. 100 (1887: Norton Sound); *Ridgw. Man. N. Amer. B.* p. 151 (1887); *Cory, Auk*, iv. p. 312 (1887: Cuba and Antilles); *Smith & Palmer, Auk*, v. p. 147 (1888: Washington, D.C.); *Scott, t. c.* p. 184 (Tarpon Springs); *id. Auk*, vi. p. 156 (1889); *Cory, B. West Ind.* p. 233 (1889); *id. Auk*, vii. p. 374 (1890: Anegada); *Thomps. Proc. U.S. Nat. Mus.* xiii. p. 500 (1890: Manitoba); *MacFarl. Proc. U.S. Nat. Mus.* xiv. p. 426 (1891); *Scott, Auk*, ix. p. 13 (1892: Jamaica), p. 212 (Caloosahatchie Region, Florida); *Attwater, t. c.* p. 345 (San Antonio, Texas); *Lawr. t. c.* p. 345 (Gray's Harbour, Washington); *Cory, Cat. B. West Ind.* p. 92 (1892: Lesser Antilles); *Allen, Auk*, x. p. 125 (1893); *Barrett-Hamilton, Bull. B. O. C.* iv. p. xviii (1894: Ireland).

Macrorhamphus noveboracensis, *Licht. Nomencl. Av. Mus. Berol.* p. 93 (1854).

Limosa grisea, *Schl. Mus. Pays-Bas*, Scolopaces, p. 26 (1864).

Macrorhamphus longirostris, *Tacz. Bull. Soc. Zool. France*, i. p. 255 (1876).

Macrorhamphus griseus var. scolopaceus, *Lawr. Bull. U.S. Nat. Mus.* no. iv. p. 46 (1876: Tehuantepec, Aug. to Feb.); *Palmén, Vega-Exp.* v. p. 302 (1887).

Macrorhamphus griseus scolopaceus, *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 199 (1880); *Coues, Check-list N. Amer. B.* p. 100 (1882); *Dutcher, Auk*, i. p. 32 (1884: Long Isl.); *Coues, Key N. Amer. B.* 2nd ed. p. 623 (1884); *Dutcher, Auk*, ii. p. 37 (1885); *Merriam, t. c.* p. 63 (Point Barrow); *Lawr. t. c.* p. 273 (Long Isl.); *Agersb. t. c.* p. 286 (S.E. Dakota); *Murdoch, Exped. Point Barrow, Alaska*, p. 110 (1885: near Cape Smythe); *Tacz. Mém. Acad. St. Pétersb.* (7) xxxix. p. 951 (1893).

Macrorhamphus griseus β. scolopaceus, *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 196 (1884).

Ereunetes griseus, *Seebohm, Hist. Brit. B.* iii. p. 168, pl. 68 (1885); *id. Geogr. Distr. Charadr.* p. 396 (1888).

Ereunetes griseus scolopaceus, *Seebohm, Geogr. Distr. Charadr.* p. 398 (1888).

Adult male in breeding-plumage. General colour above very

dark, the feathers being black, with pale cinnamon or buffy-white spots on either web of the feathers, the scapulars barred with rufous or buffy white like the long innermost secondaries; wing-coverts like the back, with white tips to the greater series, the coverts uniform brown where the rufous spotting of the summer plumage has not commenced; bastard-wing, primary-coverts, and quills blackish, the latter with brown shafts, except the first one which has a white shaft; the inner primary-coverts and inner primaries tipped with white, the latter with a whity-brown longitudinal streak along the terminal region of the shaft; the secondaries margined with white externally and round the tip, with a white shaft-streak also; the innermost secondaries like the back; lower back and rump white, the latter with black spots or horseshoe-shaped bars; the upper tail-coverts and centre tail-feathers white, washed with rufous, and barred across with dusky black, the former with a sub-terminal black spot as well; remainder of the tail-feathers blackish brown, barred with white, these bars narrower than the dusky ones and somewhat irregular in shape; crown of head nearly uniform blackish, except for a few spots of pale cinnamon, the hinder neck streaked with the latter colour and dusky blackish; a broad eyebrow of sandy buff; sides of the face of the same colour with tiny streaks of dusky brown; lores dusky brown; cheeks and under surface of body light cinnamon-rufous, with a few dots of dusky black, mostly on the sides of the upper breast; the sides of the body with dusky blackish bars; under tail-coverts again spotted; axillaries white, barred with blackish; under wing-coverts also white, barred with horseshoe markings of blackish; "bill dark olive; feet light yellowish olive; iris reddish hazel" (*J. J. Audubon*). Total length 10 inches, culmen 2·2, wing 5·5, tail 2·0, tarsus 1·3.

Adult female. Similar to the male in colour, but apparently with a longer bill. Total length 11 inches, culmen 2·9, wing 5·65, tail 1·9, tarsus 1·15.

A pair of birds, in breeding-plumage, of the small race measure as follows:—

♂. Total length 10 inches, culmen 2·35, wing 5·6, tail 1·95, tarsus 1·5.

♀. Total length 10·5 inches, culmen 2·55, wing 5·9, tail 2·1, tarsus 1·5.

Adult male in winter plumage. Uniform ashy grey above, with a few blackish shaft-lines on the feathers of the mantle; wing-coverts darker brown than the back, and fringed with white; quills as in the summer plumage; centre of the back white; the lower back, rump, and upper tail-coverts white, barred with black, the bars not always transverse, but sometimes horseshoe-shaped; tail barred with black and white, the bars complete on the centre tail-feathers, but somewhat broken up and irregular on the other ones; crown of head and hind-neck uniform ashy brown; lores and sides of face dull ashy, with a tolerably broad streak of white above the lores, minutely streaked with dusky; the sides of the face also with

dusky streaks; throat, chest, and sides of the body white, with dusky streaks on the former and small bars on the latter, the lower throat and fore-neck shaded with ashy; lower breast and abdomen pure white, unspotted; under tail-coverts white, with distinct black spots; under wing-coverts and axillaries white, with black spots on the former, the greater series with bars of an irregular form, the cross-markings on the axillaries broken up into spots and irregularly shaped bars, some of which are sub-marginal.

Young birds are like the winter plumage of the adults, but are very much darker ashy brown, the feathers of the back black edged with rufous, before which is a mark of black; the grey on the throat is altogether darker and is washed with rufous, and there is a distinct wash of rufous all over the breast and on the under tail-coverts; the bars on the axillaries are distinct, but are fewer in number than in the adult.

Specimens from Western North America are, as a rule, larger than Eastern birds, and are said by Mr. Ridgway to have the "cinnamon colour of the underparts deeper and much more uniform, covering the entire belly, the sides distinctly barred with dusky." *M. griseus*, the Eastern race, has the belly whitish, according to Mr. Ridgway; but I think that this is only due to the whitish edges, which are plainly indicated on the rufous feathers of the under surface, and remain longer on the abdomen than any other part of the body, but ultimately wear off even on the abdominal plumes. Mr. Seebohm does not attach any importance to the difference in colour between the two races, and I myself think that it is probably due to age, the older individuals becoming darker and more vinous. The measurements of the culmen, given by Mr. Ridgway and by Mr. Seebohm, show that these completely overlap in the two races, and I can see no reason for keeping them separate on this account. In the list of specimens given below will be found detailed the length of the culmen in the series in the British Museum; and it will be seen that no differences coincident with a separate geographical distribution can be found, but that, on the contrary, the length of the bill varies in a great degree. I have an idea that, Godwit-like, the female has a longer bill than the male, and that some of the specimens marked as males have been wrongly determined. Both races occur in winter in Texas and Florida, and the same diversity in dimension of bill is seen in a series from the winter-quarters of the bird. I have therefore not kept *M. scolopaceus* distinct from *M. griseus*.

Hab. Breeds in Arctic Eastern Siberia and Arctic America, and wanders south on migration as far as Southern Brazil, wintering in Central and South America. Accidental in Europe.

a. Ad. sk.	N. America.	Riocour Coll. (Type of *S. leucophæa*, Vieill.)
b. Ad. sk.	Arctic America.	Salvin-Godman Coll.
c. ♂ juv. [cul. 2·2]; *d*, *e*. ♀ juv. sk. [c. 2·8].	Point Barrow, Alaska, Aug. (*J. Murdoch*).	Salvin-Godman Coll.

f-h. ♂ ad. sk. [c. 2·5-2·8].	St. Michael's, Alaska, June, July (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
i, k. ♂ juv. [c. 2·5-2·65]; *l*. ♀ juv. sk. [c. 2·9].	St. Michael's, Aug. (*E. W. Nelson*: *Hensh Coll.*).	Salvin-Godman Coll.
m, n. Ad. æstiv. sk. [c. 2·3-2·4].	Bering Straits.	Capt. Kellett & Lieut. Wood [P.].
o. Ad. sk. [c. 2·45].	Fort Simpson, June.	B. R. Ross, Esq. [P.].
p. Ad. sk. [c. 2·15].	Port Albany, Canada.	Purchased.
q. Juv. sk. c. 2·2.	Nova Scotia.	Old Coll.
r. ♂ æstiv. ad. sk. c. 2·2.	Massachusetts (*Hensh. Coll.*).	Salvin-Godman Coll.
s. ♀ juv. sk. [c. 2·5].	Long Isl., Sept. 3 (*Henshaw Coll.*).	Salvin-Godman Coll.
t, u. ♂ ad. sk. [c. 2·2-2·3].	Cobb's Island, Virginia (*Henshaw Coll.*).	Salvin-Godman Coll.
v. ♀ juv. sk. [c. 2·15].	Philadelphia (*Krider*).	Seebohm Coll.
w. Ad. sk. [c. 2·7].	Englewood, Illinois, May (*Hensh. Coll.*).	Salvin-Godman Coll.
x. ♂ ad. sk. [c. 2·0].	Rockford, Illinois.	Seebohm Coll.
y. Ad. sk. c. 2·45.	Lulu Isl., Vancouver.	W. B. Tegetmeier, Esq. [P.].
z. ♂ ad. sk. [c. 2·05].	San Juan Isl., Vancouver.	Dr. Lyall [P.].
a, b. ♂ ad. sk. [c. 2·05-2·2].	British Columbia.	J. K. Lord, Esq. [P.].
c, d. Ad. sk. [c. 2·5-2·8].	British Columbia.	J. K. Lord, Esq. [P.].
e, f. Juv. sk. [c. 2·45-2·8].	British Columbia.	J. K. Lord, Esq. [P.].
g. ♀ ad. sk. [c. 3·0].	Arizona, Oct. 22 (*C. G. Newberry*).	Salvin-Godman Coll.
h, i. Ad. sk. [c. 2·35-2·4].	Texas (*F. B. Armstrong*).	Salvin-Godman Coll.
k. ♀ ad. sk. [c. 2·75].	Texas, Nov. (*F. B. A.*).	Salvin-Godman Coll.
l. ♂ ad. sk. [c. 2·45].	Brownsville, April 25 (*F. B. A.*).	Salvin-Godman Coll.
m. ♀ ad. sk. [c. 2·45].	Corpus Christi, May 18 (*F. B. A.*).	Salvin-Godman Coll.
n, o. ♂ ad. sk. [c. 2·1-2·5].	Tarpon Springs, Florida, Oct. to May (*W. E. D. Scott*).	Salvin-Godman Coll.
p, q. ♂ ad. sk. [c. 2·35-2·55].	Tarpon Springs, Dec., April, May (*W. E. D. S.*).	Salvin-Godman Coll.
r. ♂ juv. [c. 2·25]; *s, y*. ♀ juv. sk. [c. 2·4-2·45].	Tarpon Springs, Aug. (*W. E. D. S.*).	Salvin-Godman Coll.
t, u. Ad. sk. [c. 2·7-2·85].	De Soto Co., Florida, Nov. (*W. R. Dean*).	Salvin-Godman Coll.
v, x. ♂ ♀ ad. sk. [c. 2·2-2·5].	Cedar Keys, Florida, Nov. (*Hensh. Coll.*).	Salvin-Godman Coll.
w. ♀ ad. sk. [c. 2·35].	Key West, Florida, Nov. (*C. J. Maynard*).	Seebohm Coll.
z. Ad. sk. [c. 2·25].	Bermuda, Sept.	Capt. Savile Reid [P.].

f'', *g''*. ♂ ad. [c. 2·4–2·55]; *h''*, *i''*. ♀ ad. [c. 2·7–2·9]; *k''*. Juv. sk. [c. 2·25].	Zacatecas, Mexico, Aug. (*W. B. Richardson*).	Salvin-Godman Coll.
l''. ♂ ad. sk. [c. 2·3].	San Luis Potosi, July (*W. B. R.*).	Salvin-Godman Coll.
m''–x''. Ad. sk. [c. 2·1–2·4].	Cozumel Island (*G. F. Gaumer*).	Salvin-Godman Coll.
y''. Ad. sk. [c. 2·4–2·5].	Lake of Dueñas, Guatemala (*O. S.*).	Salvin-Godman Coll.
z''. Ad. sk. [c. 2·35].	San Gerónimo, Guatemala (*O. S.*).	Salvin-Godman Coll.
*a*³, *b*³. Ad. sk. [c. 2·3–2·4].	Chiapam, Guatemala (*O. S.*).	Salvin-Godman Coll.
*c*³. Ad. sk. [c. 2·05].	Grenada, West Indies (*D. W. Smith*).	Salvin-Godman Coll.
*d*³. Ad. st. [c. 2·15].	Barbados.	Sir R. Schomburgk [C.].
*e*³. ♀ ad. sk. [c. 2·5].	Medellin, Antioquia, U.S. Colombia (*T. K. Salmon*).	Salvin-Godman Coll.
*f*³, *g*³. Ad. sk. [c. 2·2–2·4].	Para, Lower Amazons.	R. Graham, Esq. [P.].
*h*³. Ad. sk. [c. 2·2].	Cajutuba, Brazil (*J. Natterer*).	Salvin-Godman Coll.
*i*³. Ad. sk. [c. 2·0].	Bahia.	Sudbury Mus.
*k*³. Ad. sk. [c. 2·4].	Brazil.	Salvin-Godman Coll.
*l*³. Ad. sk. [c. 2·5].	Devonshire, England.	Montagu Coll.
*m*³. Ad. st. [2·15].	Stonehouse, River Brent, Middlesex, Oct. 1862.	Harting Coll.
*n*³. Ad. st. [2·4].	Cambridgeshire.	Purchased.

2. Macrorhamphus taczanowskii.

Macrorhamphus semipalmatus (*nec Gm.*), *Blyth, J. A. S. Beng.* xvii. p. 252 (1848: Calcutta); *Jerd. B. Ind.* iii. p. 679 (1864); *Hume, Str. F.* vii. p. 484 (1878: Calcutta).

Pseudoscolopax semipalmatus (*nec Gm.*), *Blyth, J. A. S. Beng.* xxviii. p. 280 (1859); *Swinhoe, P. Z. S.* 1863, p. 313, 1871, p. 407; *Salvad. Ucc. Born.* p. 332 (1874); *David et Oust. Ois. Chine*, p. 474, pl. 121 (1877); *Hume, Str. F.* viii. p. 112 (1879); *id. & Marshall, Game Birds Ind.* iii. p. 395, pl. 47 (1881); *Oates, Handb. B. Brit. Burm.* iii. p. 408 (1883); *Vordem. Nat. Tijdschr. Nederl. Ind.* xlix. p. 416 (1889).

Micropalama tackzanowskia, *Verreaux, Rev. et Mag. Zool.* 1860, p. 206, pl. 14.

Ereunetes semipalmatus (*nec Gm.*), *Seebohm, Hist. Brit. B.* iii. p. 169 (1885).

Ereunetes taczanowskii, *Seebohm, Geogr. Distr. Charadr.* p. 399 (1888); *Everett, Journ. Straits Branch Asiat. Soc.* 1889, p. 209 (Pontianak).

Adult in winter plumage. Similar to *M. griseus*, but with the whole of the rump and lower back mottled with black bases to the feathers, and not showing a conspicuous white patch on the lower back as in that species; the under surface of the body like that of

M. griseus, but the flanks and under tail-coverts not so profusely barred, and the under wing-coverts and axillaries entirely white or with obsolete dusky frecklings: "bill black, turning to plumbeous at the base; legs and toes dark plumbeous, claws black; iris dark brown." Total length 12·5 inches, culmen 3·2, wing 6·3, tail 2·2, tarsus 1·8.

Adult female. Similar to the male. Total length 13 inches, culmen 3·45, wing 6·7, tail 2·25, tarsus 2·2.

I have not had the opportunity of examining a specimen of this species in breeding-plumage, but the characters of the winter plumage will doubtless distinguish the bird from *M. griseus* in summer dress as well.

Young birds resemble the winter plumage of the adults, but are washed with rusty red on the chest and the sides of the upper breast.

Hab. Breeding in Eastern Siberia, and wintering in the Burmese countries and near Calcutta. Probably visiting the Chinese coasts also on migration.

a. ♂ ad.; *b*. ♀ ad. sk.	Calcutta, Dec. 13.	Hume Coll.
c. ♂ juv.; *d*. ♀ ad. sk.	Pegu, Sept. 29 (*E. W. Oates*).	Oates Coll.

45. MICROPALAMA.

Type.

Hemipalma, *Bp. Speech. Comp.* p. 61 (1827; *nec* 1826). M. himantopus.
Micropalama, *Baird, B. N. Amer.* p. 726 (1858) .... M. himantopus.

Range. Eastern North America, breeding in Canada, migrating in winter to Central America, South America, and the West Indies.

1. Micropalama himantopus.

Tringa himantopus, *Bp. Ann. Lyc. N. Y.* ii. p. 157 (1826: Long Branch, New Jersey, July); *Less. Man. d'Orn.* ii. p. 284 (1828); *Swains. Faun. Bor.-Amer., Birds*, p. 380 (1831: Hayes River); *Bp. Amer. Orn.* iv. p. 89, pl. 25. fig. 3 (1833: Long Isl.); *Audub. Orn. Biogr.* iv. p. 332, pl. 344 (1838); *id. B. Amer.* 8vo, v. p. 271, pl. 334 (1842); *Giraud, B. Long Isl.* p. 232 (1844); *Brewer, Proc. Bost. Soc. Nat. Hist.* vii. p. 308 (1860: Cuba); *Schl. Mus. Pays-Bas*, Scolopaces, p. 54 (1864: Cuba).
Tringa (Hemipalma) himantopus, *Bp. Speech. Comp.* p. 61 (1827).
Tringa douglasii, *Swains. Faun. Bor.-Amer., Birds*, p. 379, pl. 66 (1831: Saskatchewan).
Long-legged Sandpiper, *Nuttall, Man. Orn.* ii. p. 138 (1834).
Douglas's Stilt Sandpiper, *Nuttall, t. c.* p. 141.
Audubon's Stilt Sandpiper, *Nuttall, t. c.* p. 140.
Tringa audubonii, *Nuttall, t. c.* p. 140.
Hemipalama himantopus, *Bp. Comp. List B. Eur. & N. Amer.* p. 49 (1838); *id. C. R.* xlix. p. 598 (1859).
Hemipalma himantopus, *De Kay, Zool. New York*, p. 235, pl. 80. fig. 196 (1843).

Hemipalma multistriata, *Gray, Gen. B.* iii. p. 578, pl. 156. fig. 2 (1845); *Pelz. Orn. Bras.* p. 311 (1871).

Hemipalma audubonì, *Gray, t. c.* p. 578.

Totanus himantopus, *Lembeye, Av. Cuba*, p. 95 (1850); *March, Proc. Acad. Nat. Sci. Philad.* 1864, p. 67 (Jamaica, April, June, Aug.); *Gundl. Repert Fisico-Nat. Cuba*, i. p. 356 (1866); *A. & E. Newton, Handb. Jamaica*, p. 116 (1881).

Hemipalma multifasciata, *Licht. Nomencl. Av. Mus. Berol.* p. 92 (1854: Mexico).

Micropalama himantopus, *Baird, B. N. Amer.* p. 726 (1858); *Scl. & Salv. Ibis*, 1859, p. 229 (Guatemala); *Scl. P. Z. S.* 1860, p. 290 (Babahoyo); *Coues, Proc. Acad. Nat. Sci. Philad.* 1861, p. 174 (Great Slave Lake; Red Fork of the Arkansas); *Blakist. Ibis*, 1863, p. 133 (Hudson's Bay); *Scl. P. Z. S.* 1862, p. 369 (Mexico); *Lawr. Ann. Lyc. N. Y.* viii. p. 100 (1864: Sombrero); *Dresser, Ibis*, 1866, p. 37 (Texas); *Coues, t. c.* p. 271 (Arizona); *Scl. & Salv. P. Z. S.* 1866, p. 199 (River Ucayali); *Lawr. Ann. Lyc. N. Y.* viii. p. 294 (1866); *Coues, Proc. Ess. Inst.* v. p. 294 (1868: New England); *id. Proc. Bost. Soc. Nat. Hist.* xii. p. 122 (1868: S. Carolina); *Allen, Amer. Nat.* iii. p. 639 (1870: Rye Beach, New Hampshire); *Stevens. U.S. Geol. Surv. Terr.* p. 466 (1871: Fort Bridger, Wyoming); *Brewster, Amer. Nat.* v. p. 307 (1872: Cape Cod, Massachusetts); *Coues, Key N. Amer. B.* p. 254 (1872); *Scl. & Salv. Nomencl. Av. Neotr.* p. 145 (1873); *iid. P. Z. S.* 1873, p. 309 (Nauta, Peru); *Coues, B. N.-West*, p. 480 (1874); *Ridgw. Ann. Lyc. N. Y.* x. p. 383 (1874: Illinois); *Gundl. J. f. O.* 1875, p. 326 (Cuba); *id. Orn. Cubana*, p. 174 (1876); *Lawr. Bull. U.S. Nat. Mus.* iv. p. 47 (1876: Tehuantepec); *Reid, Zool.* 1877, p. 476 (Bermudas); *Moore, Proc. Bost. Soc. Nat. Hist.* xix. p. 241 (1877: Bahamas); *Gundl. Anal. Soc. Esp. Hist. Nat.* vii. p. 373 (1878); *Coues, Bull. U.S. Geol. Surv.* iv. p. 638 (1878: near Rocky Mountains); *Merrill, Proc. U.S. Nat. Mus.* i. p. 161 (1878: Fort Brown, Texas); *Maynard, B. East. N. Amer.* p. 378 (1879); *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 199 (1880); *Coues, Check-l. N. Amer. B.* p. 100 (1882); *id. in Stearns' New Engl. Bird-Life*, ii. p. 206 (1883); *id. Key N. Amer. B.* 2nd ed. p. 623 (1884); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 201 (1884); *Lawr. Auk*, ii. p. 273 (1885: Long Isl.); *Agersb. t. c.* p. 286 (S.E. Dakota); *Berl. & Tacz. P. Z. S.* 1885, p. 119; *Ferrari-Perez, Proc. U.S. Nat. Mus.* ix. p. 178 (1886: Tlaxcala); *Tacz. Orn. Pérou*, iii. p. 363 (1886: Nauta; Chorillos); *A. O. U. Check-list*, p. 149 (1886); *Wells, List B. Grenada*, p. 8 (1886); *Smith, Auk*, iii. p. 140 (1886: Maryland); *Ridgw. Man. N. Am. B.* p. 152 (1887); *Lloyd, Auk*, iv. p. 186 (1887: Western Texas); *Thorne, t. c.* p. 264 (Colorado); *Cory, t. c.* p. 312; *Sennett, Auk*, v. p. 110 (1888); *Beckh. Proc. U.S. Nat. Mus.* xi. p. 637 (1888: Bexar Co., Texas), p. 652 (San Antonio); *Cory, B. West Ind.* p. 233 (1889); *Feilden, Ibis*, 1889, p. 493 (Barbados); *Scott, Auk*, vi. p. 156 (1889: Key West, Florida); *Bond, t. c.* p. 341 (Wyoming); *Clarke, Auk*, vii. p. 321 (1890: Hudson's Bay); *Palmer, Proc. U.S. Nat. Mus.* xiii. p. 260 (1890: Penguin Isl.); *Thomps. t. c.* p. 500 (Manitoba); *MacFarl. Proc. U.S. Nat. Mus.* xiv. p. 426 (1891: Franklin Bay; Rendezvous Lake E. of Fort Anderson); *Cory, Cat. B. West Ind.* p. 92 (1892: Greater and Lesser Antilles); *Scott, Auk*, ix. p. 13 (1892: Jamaica), p. 212 (Caloosahatchie Region, Florida); *Attwater, t. c.* p. 232 (San Antonio, Texas); *Berl. & Stolzm. P. Z. S.* 1892, pp. 400, 408 (Peru); *Thomps. Auk*, x. p. 49 (1893: Manitoba); *Allen, t. c.* p. 125.

Ereunetes himantopus, *Sundev. Œfv. K. Vet.-Akad. Förh. Stockh.* 1869, p. 587 (St. Bartholomew), p. 602 (Porto Rico); *Seebohm, Geogr. Distrib. Charadr.* p. 400 (1888).
Micropelma himantopus, *Gray, Hand-l. B.* iii. p. 48, no. 10298 (1871).

Adult male in breeding-plumage. General colour above black, with whitish margins to the feathers, these margins strongly tinged with rufous and sometimes entirely rufous, especially the innermost secondaries, which are notched or edged with this colour; lower back and rump dusky brown, slightly mottled with rufous and with black centres to the feathers; lower rump and upper tail-coverts white, barred with black and tinged with rufous; centre tail-feathers black, with rufous bars, both patterns being irregular; remainder of the tail-feathers ashy grey, with white centres, increasing in extent towards the outermost, which is for the most part white, irregularly mottled with grey; wing-coverts dark ashy brown, with whitish margins to the feathers, more distinct on the greater series, the lesser wing-coverts darker; primary-coverts and primaries blackish; the secondaries more ashy brown, fringed with white and having the inner web somewhat whitish, the innermost secondaries parti-coloured like the back; centre of crown streaked with blackish and white, with which the feathers are edged; sides of hinder crown dark cinnamon-rufous; a broad white eyebrow, minutely streaked with dusky blackish; lores dusky grey; ear-coverts cinnamon; sides of face, cheeks, and throat white, with narrow streaks of dusky blackish, these streaks broader on the lower throat; the entire under surface of the body white, crossed from the fore-neck downwards with blackish bars and rufous interspaces; axillaries and under wing-coverts pure white, mottled near the edge of the wing with dusky bases to the feathers; the axillaries spotted with dusky or irregularly barred; lower primary-coverts ashy, edged with white; the quill-lining also grey: "bill black; feet dull yellowish white; claws brown; iris brown" (*J. J. Audubon*). Total length 8 inches, culmen 1·5, wing 5, tail 1·9, tarsus 1·5.

Adult female in breeding-plumage. Similar to the male, but with the rufous markings less strongly pronounced, and the spotting and barring of the under surface less distinct. Total length 8·5 inches, culmen 1·55, wing 5·1, tail 1·9, tarsus 1·5.

Adult in winter plumage. Ashy grey above, nearly uniform, including the wing-coverts and inner secondaries; rest of the quills as in the summer plumage; rump and upper tail-coverts white, with irregular spots and streaks of dusky blackish, the upper tail-coverts spotted, not barred; centre tail-feathers uniform ashy grey, the rest with white shafts or centres to the feathers, occupying the greater part of the outer feathers; head grey like the back; lores and a distinct eyebrow white; upper edge of ear-coverts ashy; sides of face and upper throat whitish, with narrow dusky streaks; lower throat and fore-neck, as well as the sides of the upper breast, ashy grey; remainder of under surface of body pure white, slightly mottled with ashy grey, the under tail-coverts with irregular spear-

shaped spots of dusky; under wing-coverts and axillaries white, the latter with a few dusky markings.

Young. Resemble the adults in winter plumage, but have the breast and sides suffused with sandy buff. The upper surface, however, is more like that of the summer plumage, the feathers of the back being black, edged with rufous or white; upper wing-coverts dusky brown, rather broadly edged with ashy whitish; crown of head like the back; hind-neck ashy grey; a broad white eyebrow; centre tail-feathers ashy grey, with white centres and a blackish sub-terminal line near the tips, the rest of the tail-feathers white, edged on the outer web and round the tip of the inner one with dusky blackish.

Hab. Eastern North America, principally breeding in Canada, and migrating south in winter to Central and South America and the West Indies.

a, b. Ad. st.	N.W. America.	Capt. Collinson [P.].
c. Ad. sk.	Big Isl., Great Slave Lake (*J. Reid*).	Salvin-Godman Coll.
d, e. Juv. sk.	Chief Mountain, Dakota, Aug. (*E. Coues*: *Hensh. Coll.*).	Salvin-Godman Coll.
f, g, h. Ad. st.	Repulse Bay.	Dr. Rae [P.].
i. ♀ ad. sk.	Seabrook, New Hampshire, July (*W. Brewster*: *Hensh. Coll.*).	Salvin-Godman Coll.
k, l. ♂ imm. sk.	Ipswich, Massachusetts, Sept. (*C. J. Maynard*).	Seebohm Coll.
m, n. ♂ ♀ juv. sk.	Cape Cod, Massachusetts, Aug., Sept. (*Henshaw Coll.*).	Salvin-Godman Coll.
o. ♀ juv. sk.	Lake Koshkonong, Wisconsin, Aug. 22.	Salvin-Godman Coll.
p–t. ♂ ad. sk.	Cape Canaveral, Florida, Aug. (*W. Hoxie*: *Hensh. Coll.*).	Salvin-Godman Coll.
u. Imm. sk.	San Antonio, Texas, Nov. 20 (*H. E. Dresser*).	Salvin-Godman Coll.
v–x. ♂ ad.; *y.* ♀ ad. sk.	Brownsville, Texas, April, May (*F. B. Armstrong*).	Salvin-Godman Coll.
z, a'. ♂ ad; *b'.* ♀ ad. sk.	Zacatecas, Mexico, Aug. (*W. B. Richardson*).	Salvin-Godman Coll.
c'. Ad. sk.	Mexico.	Salvin-Godman Coll.
d'. ♀ ad. sk.	Dueñas, Guatemala, April 11 (*O. S.*).	Salvin-Godman Coll.
e'. ♂ ad. sk.	Momotombo, Nicaragua, May (*W. B. Richardson*).	Salvin-Godman Coll.
f'. ♂ ad. sk.	Spanish Town, Jamaica, Aug. 20 (*W. T. March*).	Salvin-Godman Coll.
g'–i'. ♂ ♀ ad. sk.	Grenada, W. I., July, Aug. (*D. W. Smith*).	Salvin-Godman Coll.
k', l'. ♂ ♀ ad. sk.	Anegada, W. I., Dec. (*C. S. Wynch*).	Salvin-Godman Coll.
m', n'. ♀ ad. sk.	Colonia, Uruguay, Nov. 24 (*Harrison*).	Seebohm Coll.
o'. ♀ ad. sk.	Yquitos, Peru, Sept. 19 (*H. Whitely*).	Seebohm Coll.
p', q'. ♀ ad. sk.	Yquitos, Aug., Sept. (*H. W.*).	Salvin-Godman Coll.
r'. Ad. sk.	Chili.	Salvin-Godman Coll.

46. SYMPHEMIA.

	Type.
Symphemia, *Rafin. Journ. de Phys.* lxxxviii. p. 417 (1819)	S. semipalmata.
Catoptrophorus, *Bp. Ann. Lyc. N. Y.* ii. p. 323 (1826)	S. semipalmata.
Hodites, *Kaup, Natürl. Syst.* p. 155 (1829)	S. semipalmata.

Range. Temperate North America, south to Central America, the West Indies, and British Guiana.

1. Symphemia semipalmata.

Semipalmated Snipe, *Pennant, Arct. Zool.* ii. p. 469, pl. 20. fig. 2 (1785: New York); *Lath. Gen. Syn.* iii. pt. 1, p. 152 (1785).

Scolopax semipalmata, *Gm. Syst. Nat.* i. p. 659 (1788); *Lath. Ind. Orn.* ii. p. 722 (1790); *Wilson, Amer. Orn.* vii. p. 27, pl. 59. fig. 3 (1813).

Totanus crassirostris, *Vieill. N. Dict. d'Hist. Nat.* vi. p. 408 (1816: Louisiania).

Symphemia atlantica, *Rafin. Journ. Phys.* lxxxviii. p. 417 (1819).

Totanus semipalmatus, *Temm. Man. d'Orn.* ii. p. 637 (1820); *Werner, Atlas, Grall.* pl. 15 (1827); *Swains. Faun. Bor.-Amer., Birds*, p. 388, pl. 67 (1831); *Jard. ed. Wils. Amer. Orn.* ii. p. 319 (1832); *Audub. Orn. Biogr.* iii. p. 510, pl. 274 (1835); *Gould, B. Eur.* iv. pl. 311 (1837); *Audub. Orn. Biogr.* v. p. 589 (1839); *id. B. Amer.* 8vo, v. p. 324, pl. 347 (1842); *Giraud, B. Long Isl.* p. 254 (1844); *Schl. Rev. Crit.* p. xciv (1844); *Gray, Gen. B.* iii. p. 573 (1846); *Lembeye, Av. Cuba*, p. 92 (1850); *Wallengren, Naum.* 1854, p. 256 (Sweden); *Newton, Ibis*, 1860, p. 331 (egg: France!); *Schl. Mus. Pays-Bas*, Scolopaces, p. 76 (1864: Dalmatia); *Lord. Ois. Trinid.* p. 456 (1866); *Gray, Hand-l. B.* iii. p. 46, no 10278 (1871); *Coues, Key N. Amer. B.* p. 258 (1872); *id. B. N.-West.* p. 494 (1874); *Hensh. Rep. Zool. Expl. 100th Merid.* p. 457 (1875: Arizona; Denver, Colorado); *Reid, Zool.* 1877, p. 477 (Bermudas, July); *Sennett, Bull. U.S. Geol. Surv.* iv. p. 55 (1878: Texas); *Coues, l. c.* p. 641 (Montana, Aug.); *Mayn. B. East. N. Amer.* p. 294 (1879); *Cory, B. Bahamas*, p. 100 (1880); *Harting, Ibis*, 1883, p. 134; *Seebohm, Geogr. Distr. Charadr.* p. 358 (1888); *Cory, B. Bahamas*, 2nd ed. p. 100 (1890: Inagua, breeding).

Gallinago semipalmata, *Nilss. Orn. Suec.* ii. p. 55 (1821).

Totanus (Catoptrophorus) semipalmatus, *Bp. Ann. Lyc. N. Y.* ii. p. 323 (1826: N. America, occasional on European shores).

Totanus speculiferus, *Cuv. Regne Anim.* i. p. 531 (1829); *Less. Traité d'Orn.* p. 552 (1831); *Gray, Gen. B.* iii. p. 573 (1846); *Pucheran, Rev. et Mag. de Zool.* 1850, p. 399.

Hodites semipalmatus, *Kaup, Naturl. Syst.* p. 155 (1829).

Semipalmated Snipe or Willet, *Nuttall, Man. Orn.* ii. p. 144 (1834).

Catoptrophorus semipalmatus, *Bp. Comp. List B. Eur. & N. Amer.* p. 51 (1838); *Gray, List Grall. Brit. Mus.* p. 101 (1844); *Gosse, B. Jamaica*, p. 354 (1847); *Schomb. Reis. Guian.* iii. p. 758 (1848); *Bp. C. R.* xlvii. p. 986 (1858); *Brewer, Proc. Bost. Soc. Nat. Hist.* vii. p. 398 (1860); *Nordt. List B. Eur. Blasius*, p. 18 (1862, Sweden).

Symphemia semipalmatus, *Hartl. Rev. Zool.* 1845, p. 342; *Licht. Nomencl. Av. Mus. Berol.* p. 91 (1854); *Cab. J. f. O.* 1856, p. 351

(Cuba); *Cassin in Baird's B. N. Amer.* p. 729 (1858); *Henry, Proc. Acad. Nat. Sci. Philad.* 1859, p. 108 (Rio Mimbres, New Mexico); *Bryant, Proc. Bost. Soc. Nat. Hist.* vii. p. 122 (1859: Bahamas); *Lawr. Ann. Lyc. N. Y.* vii. p. 272 (1860: Cuba); *Cooper & Suckley, Nat. Hist. Wash. Terr.* p. 240 (1860); *Cass. Proc. Acad. Nat. Sci. Philad.* 1860, p. 195 (Carthagena); *G. C. Taylor, Ibis*, 1862, pp. 129, 198 (Florida); *Scl. t. c.* p. 277 (accidental in Europe); *Verrill, Proc. Ess. Inst.* iii. p. 158 (1862); *Boardm. Proc. Bost. Soc. Nat. Hist.* ix. p. 129 (1862: Maine, breeding); *Blakist. Ibis*, 1863, p. 133 (Saskatchewan); *March, Proc. Acad. Nat. Sci. Philad.* 1864, p. 67 (Jamaica); *Allen, Proc. Ess. Inst.* iv. p. 77 (1864: Massachusetts); *Salvin, Ibis*, 1865, p. 190 (Guatemala); *Dresser, Ibis*, 1866, p. 37 (Texas); *Salvin, t. c.* p. 198 (Chiapam); *Coues, t. c.* p. 269 (Arizona); *Lawr. Ann. Lyc. N. Y.* viii. p. 294 (1866: New York); *Coues, Proc. Acad. Nat. Sci. Philad.* 1866, p. 97 (Arizona, Oct.); *Baird, Ibis*, 1867, p. 285; *Degl. et Gerbe, Orn. Eur.* ii. p. 233 (1867); *Coues, Proc. Bost. Soc. Nat. Hist.* xii. p. 122 (1868: S. Carolina); *Lawr. Ann. Lyc. N. Y.* ix. p. 210 (1869: Yucatan); *Allen, Bull. Mus. C. Z.* ii. p. 356 (1871: Florida); *Coues, Proc. Acad. Nat. Sci. Philad.* 1871, p. 32 (N. Carolina); *Pelz. Orn. Bras.* p. 309 (1871: Guaporé River, March); *Merriam, U.S. Geol. Surv. Terr.* 1872, p. 700 (Salt Lake, Utah; North Fork, Idaho); *Scl. & Salv. Nomencl. Av. Neotr.* p. 145 (1873); *Lawr. Mem. Bost. Soc. Nat. Hist.* ii. p. 309 (1874: Mazatlan); *Ridgw. Ann. Lyc. N. Y.* x. p. 384 (1874: Illinois); *Gundl. J. f. O.* 1875, p. 322 (Cuba); *Lawr. Bull. U.S. Nat. Mus.* iv. p. 47 (1876: Tehuantepec); *Bree, B. Eur.* v. p. 15, pl. 2. fig. 2 (1875); *Ridgw. Rep. 40th Parallel*, p. 609 (1877: Great Salt Lake, Utah); *Tacz. P. Z. S.* 1877, p. 748 (Santa Lucia, Peru, Nov., Dec.); *Merrill, Proc. U.S. Nat. Mus.* i. p. 162 (1878: Fort Brown, Texas); *Lawr. t. c.* p. 238 (Antigua), p. 242 (Barbuda), p. 488; *Gundl. Anal. Soc. Esp. Nat. Hist.* vii. p. 369 (1878: Porto Rico); *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 200 (1880); *A. & E. Newt. Handb. Jamaica*, p. 116 (1881); *Belding, Proc. U.S. Nat. Mus.* v. p. 534 (1882: Lower California); *Coues, Check-list N. Amer. B.* p. 103 (1882); *Belding, Proc. U.S. Nat. Mus.* vi. p. 351 (1883: Lower California); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 285 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 637 (1884); *Drew, Auk*, ii. p. 18 (1885: Colorado, 6000 feet, breeding); *Agersb. t. c.* p. 286 (1885: S.E. Dakota); *Wells, Proc. U.S. Nat. Mus.* ix. p. 628 (1886: Grenada); *Tacz. Orn. Pérou*, iii. p. 364 (1886: Tumbez); *Salvin, Ibis*, 1886, p. 179 (British Guiana); *A. O. U. Check-list N. Amer. B.* p. 156 (1886); *Seton, Auk*, iii. p. 152 (1886: Manitoba); *Towns. Proc. U.S. Nat. Mus.* x. p. 199 (1887: Humboldt Bay); *Cooper, Auk*, iv. p. 91 (1887: Ventura Co., California); *Cory, t. c.* p. 316; *Ridgw. Man. N. Amer. B.* pp. 167, 585 (1887); *Merrill, Auk*, v. p. 145 (1888: Fort Klamath, Oregon); *Salvin, Ibis*, 1889, p. 379 (Cozumel Island); *Feilden, t. c.* p. 495 (Barbados); *Cory, B. West Ind.* p. 237 (1889); *Scott, Auk*, vi. p. 158 (1889: Florida, breeding); *Pindar, t. c.* p. 312 (Kentucky); *Thomps. Proc. U.S. Nat. Mus.* xiii. p. 503 (1890: Manitoba); *Shick, Auk*, vii. p. 328 (1890: New Jersey); *Cory, t. c.* p. 374 (Anegada); *id. Auk*, viii. p. 4 (1891: Antigua); *Northrop, t. c.* p. 76 (Andros Isl.); *Brewster & Chapman, t. c.* p. 137 (Suwanee River); *Cory, t. c.* p. 351 (Inagua); *id. Cat. B. West Ind.* p. 94 (1892: Bahamas, Greater and Lesser Antilles); *Scott, Auk*, ix. p. 14 (1892: Jamaica);

Cory, t. c. p. 48 (Maraguana); *Scott, t. c.* p. 212 (Caloosahatchie Region).

Totanus semipalmatus, var. speculiferus, *Lembeye, Av. Cuba*, p. 133 (1850).

Catoptrophorus crassirostris, *Bp. C. R.* xliii. p. 590 (1856).

Catoptrophorus speculiferus, *Brewer, Proc. Bost. Soc. Nat. Hist.* vii. p. 308 (1860: Cuba).

Symphemia speculifera, *Scl. Ibis*, 1862, p. 190.

Symphemia semipalmata inornata, *Brewster, Auk*, iv. p. 145 (1887); *Beckh. Proc. U.S. Nat. Mus.* x. pp. 637, 642, 653 (1887: Texas); *Ridgw. Man. N. Amer. B.* p. 585, note (1887); *Scott, Auk*, v. p. 185 (1888: Tarpon Springs), vi. p. 158 (1889); *Merriam, N. Amer. Faun.* no. 5, p. 92 (1891: Snake R., July; Great Salt Lake, breeding); *Scott, Auk*, ix. p. 212 (1892: Caloosahatchie Region, Florida); *Fisher, N. Amer. Faun.* no. 7, pt. 2, p. 23 (1893: Morro Bay, California); *Richm. & Knowlt. Auk*, xi. p. 302 (1894: Montana).

Symphemia semipalmata typica, *Brewster, Auk*, iv. p. 146 (1887).

Symphemia semipalmata speculifera, *Allen, Auk*, v. p. 424 (1888).

Totanus semipalmatus speculiferus, *Seebohm, Geogr. Distr. Charadr.* p. 359 (1888).

Adult in winter plumage. General colour above ashy brown, the rump somewhat darker, the feathers with white fringes and sub-terminal dusky bars; upper tail-coverts white; wing-coverts ashy brown; the outermost lesser coverts blackish, fringed with white, the greater coverts vermiculated with dusky brown and with a distinct sub-terminal line of brown; the outer median and greater coverts broadly edged with white; bastard-wing, primary-coverts, and primaries blackish tipped with white, the latter with the basal half white; secondaries white, the outer ones with a brown mark near the end of the outer web; the inner secondaries ashy brown like the back, and mottled with blackish markings near the ends; centre tail-feathers light ashy, with brown barrings near the ends, these markings disappearing on the outer feathers, which are for the most part white; crown of head and neck uniform ashy, as also the sides of the face, the latter with shaft-lines of darker brown; a supra-loral streak of white reaching to the fore part of the eye; fore part of cheeks and entire under surface of body white, with a shade of ashy grey on the sides of the breast; the fore-neck and chest also slightly freckled with ashy; the axillaries blackish, fringed with white at the ends; under wing-coverts blackish, edged with white, those round the bend of the wing white with blackish centres; lower primary-coverts and quills below black with white bases. Total length 12 inches, culmen 2·4, wing 7·3, tail 2·7, tarsus 2·2.

Adult male in breeding-plumage. Differs from the winter plumage in having a tinge of ruddy brown over the grey of the upper surface, which is thickly mottled with bars and arrow-head markings of black; the rump uniform ashy brown; some of the upper tail-coverts barred with brown, and the centre tail-feathers crossed with black bars; the head and neck ashy brown, streaked with blackish centres to the feathers; the sides of the face, throat, and fore-neck streaked with blackish, the latter also spotted with black; breast

and sides of body, as well as the under tail-coverts, with zigzag bars of dusky blackish: "bill light blue, dusky towards the end; feet light blue, claws black; iris brown" (*J. J. Audubon*). Total length 12 inches, culmen 2·15, wing 7·7, tail 2·8, tarsus 2·05.

Adult female. Similar to the male. Total length 13 inches, culmen 2·3, wing 7·7, tail 2·8, tarsus 2·2.

Young. Similar to the winter plumage of the adults, but the upper surface mottled with fulvous spots on both webs of the feathers; the head uniform ashy brown; the outer tail-feathers barred, but the middle one almost uniform. Under surface of body white, freckled with grey on the breast.

I have been unable to distinguish *Symphemia inornata*, Brewster, from *S. semipalmata*, and I can endorse Mr. Seebohm's opinion that the two races are entirely connected by intermediate specimens.

Hab. Temperate North America, to Central and South America in winter. Accidental in Europe. The true *S. semipalmata* is said by Mr. Ridgway to inhabit the Atlantic coasts of the United States, while *S. inornata* is supposed to inhabit Western North America, east to the Mississippi Valley (Illinois, &c.) and Gulf States (sparingly to South Atlantic States in winter); south through Mexico, &c. in winter (*cf.* Man. p. 585).

a. Ad. st.	N. America.	Old Coll.
b. Ad. sk.	49th Parallel, May 28 (*G. Dawson*).	N. A. Bound. Comm.
c. Juv. sk.	Snake River, Idaho, July 16 (*C. H. Merriam*).	Salvin-Godman Coll.
d. Ad. sk.	New Jersey.	J. J. Audubon, Esq. [P.].
e. ♀ ad. sk.	Philadelphia.	Seebohm Coll.
f. ♀ ad.; *g*. ♂ juv. sk.	Cobb's Isl., Virginia, July, Aug. (*H. W. Henshaw*).	Salvin-Godman Coll.
h, *i*. ♂ ♀ ad. sk.	Florida (*Henshaw Coll.*).	Salvin-Godman Coll.
k. Ad. sk.	Florida (*C. J. Maynard*).	Seebohm Coll.
l–*q*. ♂ ad. et juv.; *r*–*x*. ♀ ad. et juv. sk.	Tarpon Springs, Florida, March to May, Aug. to Oct., Dec. (*W. E. D. Scott*).	Salvin-Godman Coll.
y, *z*. ♂ ♀ ad. sk.	Brownsville, Texas, April, May (*F. B. Armstrong*).	Salvin-Godman Coll.
a'–*k'*. ♂ ♀ ad. sk.	Corpus Christi, April, May, Oct. (*F. B. A.*).	Salvin-Godman Coll.
l'. ♀ ad. sk.	Nueces Co., Texas, Oct. 18 (*F. B. A.*).	Salvin-Godman Coll.
m'. ♂ ad. sk.	San Diego, California, Dec. 12 (*H. W. Henshaw*).	Salvin-Godman Coll.
n', *o'*. Ad. et imm. sk.	Mexico.	Seebohm Coll.
p'. ♀ ad. sk.	Tres Marias Isl., March 4 (*A. Forrer*).	Salvin-Godman Coll.
q', *r'*. ♂ ♀ ad. sk.	Presidio, Jan., March (*A. F.*).	Salvin-Godman Coll.
s'. ♀ ad. sk.	San Blas, Tepic, April 24 (*W. B. Richardson*).	Salvin-Godman Coll.
t'. Ad. sk.	Tehuantepec (*F. Sumichrast*).	Salvin-Godman Coll.

a'–*d'*. Ad. et imm. sk.	Cozumel Island (*G. F. Gaumer*).	Salvin-Godman Coll.
e''. Imm. sk.	Chiapam, Guatemala (*O. S.*).	Salvin-Godman Coll.
f''. Ad. sk.	San José, Guatemala, Jan. (*O. S.*).	Salvin-Godman Coll.
g''. ♂ ad. sk.	San Pedro, Honduras (*G. M. Whitely*).	Salvin-Godman Coll.
h''. Ad. sk.	Grenada, West Indies, Aug. 30 (*D. W. Smith*).	Salvin-Godman Coll.
i''. Ad. sk.	British Guiana.	Salvin-Godman Coll.

47. TOTANUS.

	Type.
Totanus, *Bechst. Orn. Taschenb.* ii. p. 282 (1803)	T. calidris.
Gambetta (*nec Koch*), *Kaup, Nat. Syst.* p. 54 (1829)	T. calidris.
Erythrosceli-, *Kaup, tom. cit.* p. 54 (1829)	T. calidris.
Agrialodes, *Heine, in Heine & Reichen. Nomencl. Mus. Hein.* p. 327 (1890)	T. calidris.

Range. Almost cosmopolitan.

Key to the Species.

a. Lower back and rump white; upper tail-coverts barred.

a'. Largest: culmen 2·3–2·4 inches, wing 6·25–6·45 inches; secondaries regularly barred with white and dusky blackish, none of them entirely white; tail-feathers all barred .... *fuscus*, p. 409.

b. Of moderate size: culmen 1·55 inch, wing 5·85 inches; inner secondaries for the most part white or with dusky bases, not barred; tail-feathers narrowly banded ..... *calidris*, p. 413.

c. Smallest: culmen 1·5 inch, wing 5·2 inches; inner secondaries brown with a little white on the inner web, no bars; centre tail-feathers barred, outer ones white, freckled with brown on the outer web, but with no bars ..... *stagnatilis*, p. 422.

b. Lower back and rump dusky brown; upper tail-coverts white, the longer ones banded.

d. Larger: culmen 2·15 inches, wing 7·3 inches. *melanoleucus*, p. 426.

e. Smaller: culmen 1·4–1·45 inch, wing 6·4–6·7 inches ..... *flavipes*, p. 431.

1. Totanus fuscus.

The Spotted Red-shank.

La Barge brune, *Briss. Orn.* v. p. 270, pl. xxiii. fig. 2 (1760); *D'Aubent P. Enl* viii pl. 875; *Buff. Hist. Nat. Ois.* vii. p. 509 (1780).

Scolopax fusca, *Linn. Syst. Nat.* i. p. 243 (1766) *nec* Scolopax fusca, ed. x. = Tantalus fuscus); *Gm. Syst. Nat.* i. p. 657 (1788).

Scolopax maculata, *Tunstall, Orn. Brit.* p. 3 (1771).

Scolopax atra, *Sander, Naturf.* viii. p. 183 (1779).

Cambridge Godwit, *Lath. Gen. Syn.* iii. pt. 1, p. 146 (1785).

Scolopax cantabridgiensis, *Lath. Gen. Syn. Suppl.* i. p. 292 (1787); *Gm. Syst. Nat.* i. p. 668 (1788).
Tringa atra, *Gm. Syst. Nat.* i. p. 673 (1788).
Scolopax natans, *Otto, Uebers. Buff. Vög.* xxvi. p. 234 (1797).
Totanus maculatus, *Bechst. Orn. Taschenb.* pt. 2, p. 284 (1803).
Totanus natans, *Bechst. Orn. Taschenb.* pt. 2, p. 286 cum tab. (1803); *Brehm, Vög. Deutschl.* p. 635 (1831).
Totanus fuscus, *Bechst. Orn. Taschenb.* pt. 2, p. 286 (1803); *Temm. Man. d'Orn.* p. 412 (1815); *Vieill. N. Dict. d'Hist. Nat.* vi. p. 399 (1816); *Temm. Man. d'Orn.* 2nd ed. ii. p. 639 (1820); *Boie, Isis*, 1822, p. 560; *Roux, Orn. Prov.* pl. 293 (1825); *Werner, Atlas, Grall.* pl. 21 (1827); *Fleming, Brit. Anim.* p. 102 (1828); *Brehm, Vög. Deutschl.* p. 633 (1831); *Less. Traité d'Orn.* p. 552 (1831); *Gray & Hardw. Illustr. Ind. Zool.* ii. pl. 53 (1832); *Jenyns, Man. Brit. Vertebr.* p. 196 (1835); *Naum. Vög. Deutschl.* viii. p. 123, pl. 200 (1836); *Gould, B. Eur.* iv. pl. 309 (1837); *Bp. Comp. List B. Eur. & N. Amer.* p. 51 (1838); *Cresp. Orn. Gard*, p. 423 (1840); *Keys. & Blas. Wirb. Eur.* pp. lxxii, 210 (1840); *Nordm. in Démid. Voy. Russ. Mérid.* iii. p. 244 (1840); *Selys-Longch. Faun. Belg.* p. 127 (1842); *Mühle, Beitr. Orn. Griechenl.* p. 100 (1844); *Schl. Rev. Crit.* p. xcii (1844); *Hodgs. Icon. ined. in Brit. Mus., Grall.* pl. 89. no. 798; *id. in Gray's Zool. Misc.* p. 86 (1844); *Gray, List Grall. Brit. Mus.* p. 100 (1844); *id. Gen. B.* iii. p. 573 (1846); *id. Cat. Mamm. etc. Nepal pres. Hodgs.* p. 139 (1846); *Blyth, Cat. B. Mus. As. Soc.* p. 266 (1849: Calcutta); *Reichenb. Grall.* tab. lxxv. figs. 576–77 (1850); *Thomps. B. Irel.* ii. p. 200 (1850); *Middend. Reis. Sibir., Zool.* p. 214 (1851); *Kjærb. Danm. Fugle*, tab. xxxvi. fig. 4 (1851); *Macgill. Brit. B.* iv. p. 328 (1852); *Schl. Vog. Nederl.* pl. 241 (1854); *Licht. Nomencl. Av. Mus. Berol.* p. 91 (1854); *Hewits. Eggs Brit. B.* ii. p. 326, pl. lxxxviii. (1856); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 457 (1859); *Sundev. Sv. Fogl.* pl. xl. figs. 1, 2 (1860); *Linderm. Vög. Griechenl.* p. 138 (1860); *Schl. Dier. Nederl. Vogels*, pl. 25. fig. 3 (1861); *Irby, Ibis*, 1861, p. 239 (Oudh); *Swinh. Ibis*, 1862, p. 254 (Foochow); *id. P. Z. S.* 1862, p. 319; *id. Ibis*, 1863, p. 97 (N. China); *Gray, Cat. Brit. B.* p. 157 (1863); *Radde, Reis. Sibir., Vög.* p. 327 (1863); *Wright, Ibis*, 1864, p. 146 (Malta, spring and autumn); *Sperling, t. c.* p. 287 (Missolonghi); *Jerd. B. Ind.* iii. p. 702 (1864); *Schl. Mus. Pays-Bas*, Scolopaces, p. 54 (1864: Holland); *Degl. et Gerbe, Orn. Eur.* ii. p. 216 (1867); *Gould, B. Gt. Brit.* iv. pl. 55 (1867); *Layard, B. S. Afr.* p. 326 (1867: Knysna); *Dybowski & Parvex, J. f. O.* 1868, p. 337 (Darasun); *Borggr. Vogelf. Norddeutschl.* p. 113 (1869); *Doderl. Avif. Sicil.* p. 184 (1869); *Droste, Vogelw. Borkum*, p. 181 (1869); *Fritsch, Vög. Eur.* pl. 34. fig. 3 (1870); *Swinh. P. Z. S.* 1870, p. 427; *Finsch & Hartl. Vög. Ost-Afr.* p. 748 (1870); *Salvad. Faun. Ital., Ucc.* p. 219 (1871); *Swinh. P. Z. S.* 1871, p. 406; *Gray, Hand-l. B.* iii. p. 45, no. 10275 (1871); *R. Gray, B. West Scotl.* p. 290 (1871); *Saunders, Ibis*, 1871, p. 387 (Malaga, March); *Harting, Handb. Brit. B.* p. 46 (1872); *Shelley, B. Egypt*, p. 255 (1872: Sakkara, April); *Heugl. Ibis*, 1872, p. 65 (Waigats Isl.); *Palmén, Finl. Fogl.* p. 145 (1873); *Brooke, Ibis*, 1872, p. 338 (Sardinia, March); *Swinh. t. c.* p. 373 (Shanghai, winter); *Severtz. Turkest. Jevotn.* p. 69 (1873); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1167 (1873: Red Sea); *Hume, Str. F.* i. p. 248 (1873: Sind); *Adam, t. c.* p. 397 (Sambhur); *Tacz. J. f. O.* 1873, p. 102 (E. Siberia), 1874, p. 336; *Dresser, B. Eur.* viii. p. 165, pl. 568. figs. 2, 3, pl. 569. fig. 1 (1875); *Irby, Orn.*

Straits Gibr. p. 166 (1875); *Fallon, Ois. Belg.* p. 172 (1875); *Swinh. Ibis*, 1875, p. 453 (S. Yezo, Oct.); *Danf. & H.-Brown, Ibis*, 1875, p. 421 (Transylvania, migrant); *Seebohm & H.-Brown, Ibis*, 1876, p. 292 (Petchora); *Dresser, t. c.* p. 411; *Blanf. East. Persia*, ii. p. 285 (1876); *Tacz. Bull. Soc. Zool. France*, i. p. 250 (1876); *Sharpe & Bouvier, t. c.* p. 313 (Congo); *Butler, Str. F.* iv. p. 18 (1876: Mount Aboo district); *Cockburn, t. c.* p. 509 (Allahabad, May); *David & Oust. Ois. Chine*, p. 463 (1877); *Finsch, Ibis*, 1877, p. 62 (River Ob); *Hume & Davison, Str. F.* vi. p. 463 (1878: Sittang River); *Ball, Str. F.* vii. p. 229 (1878: Ganges-Godavery); *Hume, t. c.* p. 488 (Calcutta); *Blakist. & Pryer, Ibis*, 1878, p. 200 (Yezo); *Prjev. in Rowley's Orn. Misc.* iii. p. 88 (1878: Lake Hanka, March); *Finsch, Verh. z.-b. Ges. Wien*, xxix. p. 250 (1879: Obdorsk, Aug.); *Butler, Cat. B. Sind etc.* p. 65 (1879); *Hume, Str. F.* viii. p. 113 (1879); *Legge, B. Ceylon*, p. 848 (1880); *Seebohm, Ibis*, 1880, p. 193 (Lat. 60°, Siberia); *Collett, Norges Fuglef.* p. 103 (1881); *Reid, Str. F.* x. p. 71 (1881: Lucknow); *Biddulph, Ibis*, 1881, p. 97 (Gilgit); *Salvin, Cat. Strickl. Coll.* p. 613 (1882); *Blakist. & Pryer, B. Japan*, p. 110 (1882: Yezo); *Seebohm, Ibis*, 1882, p. 222 (Astrakhan), p. 381 (Archangel); *id. Ibis*, 1883, p. 30 (Caucasus); *Oates, Handb. B. Brit. Burm.* ii. p. 405 (1883); *B. O. U. List Brit. B.* p. 176 (1883); *Saunders, ed. Yarrell's Brit. B.* iii. p. 474 (1883); *Booth, Rough Notes*, ii. (1882–87); *Dybowski, Bull. Soc. Zool. France*, viii. p. 140 (1883); *Sharpe, ed. Layard's B. S. Afr.* p. 689 (1884: Knysna); *Saunders, Ibis*, 1884, p. 300 (Pyrenees, April); *Seebohm, t. c.* p. 429 (Lenkoran); *Blakist. Amended List B. Japan*, p. 11 (1884: Yezo and Japan generally); *Bogd. Consp. Av. Imp. Ross.* i. p. 90 (1884); *Radde, Orn. Cauc.* pp. 45, 341 (1884); *Murray, Vertebr. Faun. Sind*, p. 255 (1884); *Seebohm, Hist. Brit. B.* iii. p. 145, pl. 32. figs. 4–6 (1885); *Swinhoe & Barnes, Ibis*, 1885, p. 134 (Mhow distr., winter); *Pleske, Uebers. Saug. u. Vog. Kola Halb.* p. 362 (1886); *Gigl. Ann. Ital.* p. 307 (1886); *Salvad. Elenco Ucc. Ital.* p. 286 (1886); *Tait, Ibis*, 1887, p. 332 (Portugal); *Gigl. & Salvad. P. Z. S.* 1887, p. 587 (Olga Bay, Corea); *Buckley & Harvie-Brown, Vertebr. Faun. Caithn.* p. 223 (1887); *id. Vertebr. Faun. Outer Hebr.* p. 135 (1888); *Irby, Key List Brit. B.* p. 49 (1888); *Seebohm, Geogr. Distr. Charadr.* p. 351 (1888); *Koenig, J. f. O.* 1888, p. 279 (Tunis); *Saunders, Man. Brit. B.* p. 603 (1889); *Lilford, Ibis*, 1889, p. 342 (Cyprus, April); *Reichen. Syst. Verz. Vog. Deutschl.* p. 47 (1889); *Gigl. Ann. Ital.*, 1st *Resoc.* p. 604 (1889), 2nd *Resoc.* p. 662 (1890), 3rd *Resoc.* p. 517 (1891); *Seebohm, B. Japan. Emp.* p. 319 (1890); *Brusina, Moll. etc. (Orn. Croatica)*, p. 90 (1890); *Madarasz, Ausst. Ungar. Vogelf.* p. 100 (1891); *Styan, Ibis*, 1891, pp. 331, 507 (Lower Yangtsze); *Frivaldsky, Av. Hungar.* p. 142 (1891); *Buckley & Harvie-Brown, Vertebr. Faun. Orkney Isl.* p. 220 (1891); *Sharpe, Rep. 2nd Yark. Miss., Aves*, p. 140 (1891: Sirikol); *Macphers. Vertebr. Faun. Lakeland*, p. 397 (1892); *Seebohm, Ibis*, 1892, p. 24 (Helgoland), *Campbell, t. c.* p. 246 (Corea); *De la Touche, t. c.* p. 500 (Foochow); *Hartert, t. c.* p. 515 (E. Prussia); *Tacz. Mém. Acad. St. Petersb.* (7) xxxix. p. 83 (1893); *Irby, Orn. Straits Gibr.* 2nd ed. p. 287 (1895).

Limosa fusca, *Pallas, Zoogr. Rosso-Asiat.* ii. p. 187 (1811).

Tringa longipes, *Leisler, Nach. Bechst. Nat. Deutschl.* ii. p. 189 (1813).

Tringa totanus, *Meyer, Vog. Liv- u. Esthl.* p. 200 (1815).

Totanus rufus, *Leach, Syst. Cat. Mamm. etc. Brit. Mus.* p. 31 (1816: Somersetshire and Devonshire).

Erythroscelus fuscus, *Kaup, Natürl. Syst.* p. 54 (1829); *Bp. C. R.* xliii. p. 596 (1856); *Gigl. Ibis*, 1865, p. 61 (Pisa, May); *Loche, Expl. Sci. Algér., Ois.* p. 319 (1867); *Heine & Reichen. Nomencl. Mus. Hein.* p. 327 (1890).
Totanus ater, *Brehm, Vög. Deutschl.* p. 634 (1831); *Stejn. Bull. U.S. Nat. Mus.* no. 29, p. 129 (1885: Bering Isl.); *id. Proc. U.S. Nat. Mus.* x. p. 133 (1887: Commander Isl.).
The Spotted Redshank, *Yarrell, Brit. B.* ii. p. 520 (1843).
Totanus fuscus indicus, *Reichenb. Grall.* tab. cclxxxix. figs. 2370–71 (1850).
Erythroscelus ocellatus, *Bp. C. R.* xliii. p. 596 (1856).

Adult male in breeding-plumage. General colour above sooty black, the head uniform; the hind-neck varied with white fringes and spots on the feathers, many of which are barred with brown; scapulars also blackish, with broader white spots and edges; wing-coverts blackish, edged with white, and notched with white on both webs; the greater coverts more distinctly barred and notched with white; bastard-wing, primary-coverts, and primaries bronzy brown, the latter white on the inner web and freckled with brown; the secondaries barred with white and brown, the brown bars irregular in shape and producing a mottled appearance; the innermost secondaries bronzy brown, notched with white or brownish white on both webs; the lower back pure white; rump and upper tail-coverts regularly and distinctly barred with black and dull white; tail-feathers also blackish, narrowly barred across with white, the bars somewhat interrupted on the outer feathers; sides of face, throat, and under surface of body sooty black, with the remains of whitish margins, these being more distinct on the abdomen; the under tail-coverts distinctly barred with black and white; under wing-coverts and axillaries pure white, the edge of the wing and lower primary-coverts barred with black: "bill very dark brown, the basal half of the lower mandible dusky red; legs and toes orange-red; claws black; iris brown" (*E. W. Oates*). Total length 12 inches, culmen 2·4, wing 6·25, tail 2·4, tarsus 2·1.

Adult female in breeding-plumage. Not to be distinguished from the male. Total length 12 inches, culmen 2·3, wing 6·45, tail 2·5, tarsus 2·1.

Adult in winter plumage. Entirely different from the summer plumage and with reddish legs; upper surface grey, the lower back white; the rump and upper tail-coverts barred with black and white; wings bronzy brown, all the coverts and secondaries edged or notched with white, the secondaries as plainly barred with black and white as in the breeding-plumage; the innermost secondaries bronzy brown, with imperfect bars of black on the margins; head grey like the back, with a supra-loral mark of white; lores ashy; sides of face white, streaked with ashy grey; under surface of body white, with streaks of dusky grey on the fore-neck; sides of upper breast also ashy grey; on the flanks and under tail-coverts a few incomplete dusky cross-bars.

Young birds in first plumage are similar to the winter plumage of

the adults, but are darker and more bronzy brown, with white spots on the edges of the feathers, very distinct on the scapulars and wing-coverts; centre tail-feathers regularly barred with dusky; under surface of body broadly barred with dusky blackish on the breast, flanks, and under tail-coverts; the lower throat, fore-neck, and chest thickly mottled with dusky grey; the secondaries not so distinctly barred with white as in the adults, the white bars not being continuous across the feathers: "bill olive, the base of the lower mandible orange; feet orange, claws olive; iris hazel" (*H. Whitely*).

Hab. Breeds beyond the Arctic Circle in Northern Europe and Asia. Passes south in winter to the Mediterranean countries and North Africa, the Indian Peninsula, and China.

a. Ad. æstiv. sk.	Dunwich, Suffolk.	J. Leaman, Esq. [P.].
b. ♂ ad. sk.	Aldborough, Sept. 9 (*J. E. Harting*).	Seebohm Coll.
c. ♂ juv. sk.	Dallingham, Nov. 17.	Salvin-Godman Coll.
d. ♂ ad. sk.	Breydon, Norfolk (*Harting Coll.*).	Seebohm Coll.
e, f. Ad. et juv. sk.	Kent.	Old Coll.
g. ♂ imm. st.	New Romney, Kent, Sept. 22.	Colonel Irby [P.].
h. Ad. st.	Brighton.	Purchased.
i. ♀ juv. st.	Pagham Harbour, Sussex, Sept. 26.	J. E. Harting, Esq. [C.].
k. Juv. sk.	Pagham, Sussex, Sept. 3 (*R. B. Sharpe*).	Tweeddale Coll.
l. ♀ juv. sk.	Pagham, Sussex, Sept. 10 (*J. E. Harting*).	Seebohm Coll.
m. ♂ ad. st.	Selsea, Sussex, Sept. 26.	J. E. Harting, Esq. [C.].
n. ♂ ad. st.	Wallsend, Sussex, Sept. 19.	Capt. Clarke Kennedy [C.].
o. Juv. sk.	Somersetshire.	Montagu Coll. (Type of *Totanus rufus*, Leach.)
p. Juv. sk.	Devonshire.	Montagu Coll.
q, r. ♂ ♀ ad. st.	Sweden, June.	Capt. Clarke Kennedy [C.].
s. ♀ ad. sk.	Holland, April 29 (*Harting Coll.*).	Seebohm Coll.
t, u ♂ ad.; *v, w.* ♀ ad. sk.	Harlingen, Holland, Dec.	W. E. De Winton, Esq. [P.].
x. Ad. hiem. sk.	Owerkerk, Holland (*J. Baker*).	Salvin-Godman Coll.
y. ♂ ad. sk.	Malta (*C. A. Wright*).	Seebohm Coll.
z. ♀ ad. sk.	Egypt, Feb. 3 (*C. L. Shelley*).	Seebohm Coll.
a'. ♀ ad. æstiv. sk.	Archangel, May 20.	Salvin-Godman Coll.
b'. ♀ juv. sk.	Obdorsk, Western Siberia, Aug. 27 (*Dr. O. Finsch*).	Godeffroy Sen., Bremen.
c'. ♀ ad. hiem. sk.	Larkhana, Sindh, Jan. 7 (*A. O. H.*).	Hume Coll.
d', e'. ♀ ad. hiem. sk.	River Jhelum, Sindh, Nov. 27 (*A. O. H.*).	Hume Coll.
f'. Ad. hiem. sk.	Kutch, Jan. (*F. Stoliczka*)	Hume Coll.

g'. ♂ ad. hiem. sk.	Sambhur, Dec. 29 (*R. M. Adam*).	Hume Coll.
h', *i'*. ♀ juv. hiem. sk.	Gurgaon Distr., Oct. 12 (*W. N. Chill*).	Hume Coll.
k', *l'*. ♂ ad. æstiv. sk.	Gurgaon Distr.. April, May (*W. N. Chill*).	Hume Coll.
m'. Ad. hiem. sk.	Umbala, Jan. (*Dr. Scott*).	Tweeddale Coll.
n'. ♀ ad. æstiv. sk.	Allahabad, May 8 (*J. Cockburn*).	Hume Coll.
o'–*r'*. Ad. æstiv. sk.	Etawah, Feb., March.	Hume Coll.
s'–*v'*. Ad. hiem. sk.	Etawah, Nov. to Jan.	Hume Coll.
w'. ♀ ad. sk.	Cawnpore District, Dec. 19 (*A. Anderson*).	Seebohm Coll.
x'. ♂ ad. sk.	Futtehgurh Distr., April 14 (*A. Anderson*).	Seebohm Coll.
y'. Ad. sk.	Futtehgurh District (*A. Anderson*).	Hume Coll.
z', *a''*. Ad. æstiv. et hiem. sk.	Nepal.	Hodgson Coll.
b'', *c''*. ♂ ad. æstiv. et hiem. sk.	Raipur.	Hume Coll.
d''. ♀ ad. hiem. sk.	Depalpur, Central India, Jan.	Colonel Swinhoe [P.].
e'', *f''*. Ad. æstiv. sk.	Calcutta, April (*W. T. Blanford*).	Hume Coll.
g''. Ad. æstiv. sk.	Calcutta (*E. Blyth*).	India Museum.
h'', *i''*. Ad. sk.	Calcutta (*E. Blyth*).	Seebohm Coll.
k''. Ad. æstiv. sk.	Madras.	T. C. Jerdon, Esq. [P.].
l''. Ad. æstiv. sk.	Chingleput.	Hume Coll.
m'', *n''*. Ad. hiem. sk.	Tonghoo, Dec. 7 (*R. G. W. R.*).	Tweeddale Coll.
o''. ♂ ad.; *p''*, *q''*. ♀ ad. hiem. sk.	Pegu, Feb., April (*E. W. O.*).	Oates Coll.
r'', *s''*. ♀ ad. hiem. sk.	Sittang R., Burma, Feb. 4 (*W. Davison*).	Hume Coll.
t''. ♂ ad. hiem. sk.	Canton (*Capt. Tuckett*).	Tweeddale Coll.
u''. ♂ ad. sk.	Shanghai, March 20 (*R. Swinhoe*).	Seebohm Coll.
v''–*y''*. Ad.; *z''*, *a*³. Juv. sk.	Yokohama, Japan (*H. Pryer*).	Seebohm Coll.
*b*³. Juv. sk.	Hakodadi, Japan, Oct. 11 (*H. Whitely*).	Tweeddale Coll.
*c*³. ♂ juv. sk.	S. Yezo, Oct. (*Capt. Blakiston*).	Seebohm Coll.
*d*³. ♀ ad. sk.	Corea.	C. W. Campbell, Esq. [P.].

2. Totanus calidris.

The Common Redshank.

? The Poole-Snipe, *Albin, Nat. Hist. B.* iii. p. 82, pl. 87 (1740).

Le Chevalier rayé, *Briss. Orn.* v. p. 196, pl. xviii. fig. 1 (1760); *Buff. Hist. Nat. Ois.* vii. p. 516 (1780); *D'Aubent. Pl. Enl.* viii. pl. 827.

Le Chevalier tacheté, *Briss. t. c.* p. 200, pl. xviii. fig. 2.

Scolopax calidris, *Linn. Syst. Nat.* i. p. 245 (1766); *Gm. Syst. Nat.* i. p. 664 (1788).

Tringa striata, *Linn. Syst. Nat.* i. p. 248 (1766); *Gm. Syst. Nat.* i. p. 672 (1788).

La Gambette, *D'Aubent. Pl. Enl.* viii. pl. 845.

Chevalier aux pieds rouges, *Buff. Hist. Nat. Ois.* vii. p. 513, pl. xxviii. (1780).
Redshank, *Lath. Gen. Syn.* iii. pt. 1, p. 150 (1785).
Chinese Redshank, *Lath. tom. cit.* p. 151.
Striated Sandpiper, *Lath. tom. cit.* p. 176.
Striated Sandpiper, var. A, *Lath. tom. cit.* p. 177.
Totanus calidris, *Bechst. Orn. Taschenb.* ii. p. 284 (1803); *Temm. Man. d'Orn.* p. 415 (1815); *Leach, Syst. Cat. Mamm. etc. Brit. Mus.* p. 31 (1816); *Vieill. N. Dict. d'Hist. Nat.* vi. p. 404 (1816); *Temm. Man. d'Orn.* ii. p. 643 (1820); *Nilss. Orn. Suec.* ii. p. 62 (1821); *Isis*, 1822, p. 560; *Roux, Orn. Prov.* pl. 294 (1825); *Werner, Atlas, Grall.* pl. 22 (1827); *Fleming, Brit. Anim.* p. 102 (1828); *Less. Traité d'Orn.* p. 552 (1831); *Brehm, Vog. Deutschl.* p. 637 (1831); *Ménétr. Cat. rais. Cauc.* p. 51 (1832); *Jenyns, Man. Brit. Vertebr.* p. 196 (1835); *Strickl. P. Z. S.* 1836, p. 101 (Smyrna); *Naum. Vog. Deutschl.* viii. p. 95, tab. 199 (1836); *Gould, B. Eur.* iv. p. 310 (1837); *Bp. Comp. List B. Eur. & N. Amer.* p. 51 (1838); *Crespon, Orn. Gard*, p. 424 (1840); *Keys. & Blas. Wirb. Eur.* pp. lxxii, 211 (1843); *Nordm. in Démid. Voy. Russ. Mérid.* iii. p. 244 (1840); *Selys-Longch. Faun. Belg.* p. 128 (1842); *Mukle, Beitr. Orn. Griechenl.* p. 100 (1844); *Schl. Rev. Crit.* p. xciii (1844); *Hodgs. Icon. ined. in Brit. Mus., Grall.* pl. 89 *a.* no. 307; *id. in Gray's Zool. Misc.* p. 83 (1844); *Gray, List Grall. Brit. Mus.* p. 100 (1844); *Rupp. Syst. Uebers.* p. 126 (1845); *Gray, Gen. B.* iii. p. 573 (1846); *id. Cat. Mamm. &c. Nepal pres. Hodgs.* p. 139 (1846); *Hewits. Eggs Brit. B.* ii. p. 289, pl. lxxx. (1846); *Blyth, Cat. B. Mus. As. Soc.* p. 260 (1849); *Reichenb. Grall.* tab. lxxv. figs. 580 81 (1850); *Thomps. B. Irel.* ii. p. 202 (1850); *Middend. Reis. Sibir., Zool.* p. 205 (1851: Ochotsk, Aug.); *Kjerb. Dansm. Fugle*, tab. 36. fig. 5 (1851); *Macgill. Brit. B.* iv. p. 333 (1852); *Sel. Contr. Orn.* 1852, p. 126 (Suez); *Licht. Nomencl. Av. Mus. Berol.* p. 92 (1854); *Schl. Vog. Nederl.* pls. 243, 244 (1854); *Heugl. Syst. Uebers.* p. 62 (1856); *Hartl. Orn. W.-Afr.* p. 234 (1857: Ashanti); *Heugl. Ibis*, 1859, p. 347 (Massowah, Aug.; Danakil and Somali Coast); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 458 (1859); *Sunder. Sv. Fogl.* pl. 40. figs. 3, 4 (1860); *Linderm. Vog. Griechenl.* p. 138 (1860); *F. & P. Gadman, Ibis*, 1861, p. 87 (Bolo, May, breeding); *Irby, t. c.* p. 239 (Kumaon); *Swinh. t. c.* p. 363 (N. China, Aug. to Dec.); *id. Ibis*, 1862, p. 254 (Foochow); *id. P. Z. S.* 1862, p. 320 (Tientsin); *id. Ibis*, 1863, p. 407 (Formosa, Sept.); *Newton in Baring-Gould's Iceland*, p. 412 (1863); *Gray, Cat. Brit. B.* p. 158 (1863); *Radde, Reis. Sibir., Vog.* p. 328 (1863: Lake Baikal, Aug., Sept.); *Swinh. P. Z. S.* 1863, p. 311 (Formosa); *Jerd. B. Ind.* iii. p. 702 (1864); *Schl. Mus. Pays-Bas*, Scolopaces, p. 65 (1864: Borneo; Java; Celebes); *Pez. Reis. Novara, Vog.* p. 126 (1865: Nicobars); *Swinhoe, Ibis*, 1865, p. 347 (Takow); *Filippi, Viagg. Persia*, p. 251 (1865); *Swinhoe, Ibis*, 1865, p. 347 (Takow); *More, t. c.* p. 435; *Layard, B. S. Afr.* p. 324 (1867); *Deyl. & Gerbe, Orn. Eur.* ii. p. 218 (1867); *Smith, Ibis*, 1868, p. 454 (Portugal); *Collett, Norges Fuglef.* p. 55 (1868); *Borggr. Vogelf. Norddeutschl.* p. 113 (1869); *Dederl. Avif. Sicil* p. 184 (1869); *Droste, Vogelw. Borkum*, p. 183 (1869); *Blanf. Geol. & Zool. Abyss.* p. 433 (1870: Red Sea, Jan.); *Elwes & Buckley, Ibis*, 1870, p. 392; *Swinhoe, t. c.* p. 394 (Hainan); *Fritsch, Vog. Eur.* tab. 34. figs. 4, 6 (1870); *Finsch, Trans. Z. S.* vii. p. 290 (1870: Zoulla, March); *Gray, Hand-l. B.* iii. p. 45, no. 10272 (1871); *Swinhoe,*

P. Z. S. 1871, p. 406; *Salvad. Faun. Ital., Ucc.* p. 220 (1871); *Saunders, Ibis*, 1871, p. 387 (Andalucia, breeding); *Gould, B. Gt. Brit.* iv. pl. 54 (1871); *R. Gray, B. West Scotl.* p. 291 (1871); *Harting, Handb. Brit. B.* p. 46 (1872); *Feilden, Zool.* 1872, p. 3248 (Færoe Isl.); *Shelley, B. Egypt*, p. 255 (1872); *Gurney in Anderss. B. Dam. Ld.* p. 300 (1872: Lake N'gami); *Heugl. Ibis*, 1872, p. 65 (Waigats Isl.); *Sharpe, t. c.* p. 74 (Nagua R., Fantee); *Wald. Trans. Z. S.* viii. p. 97 (1872: Celebes); *Ball, Str. F.* i. p. 85 (1873); *Hume, t. c.* p. 248 (Karachi); *Adam, t. c.* p. 397 (Sambhur); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1165 (1873: N.E. Africa, Sept. to April); *Antin. & Salvad. Viagg. Bogos*, p. 145 (1873: Massaua); *Swinh. Ibis*, 1873, p. 373 (Shanghai, winter); *Brooke, t. c.* p. 338 (Sardinia, winter); *Hayes Lloyd, t. c.* p. 417 (Kathiawar); *Palmén, Finl. Fogl.* p. 150 (1873); *Severtz. Turkest. Jevotn.* p. 69 (1873); *Saxby, B. Shetl.* p. 194 (1874); *Ussher, Ibis*, 1874, p. 74 (Gold Coast); *Wald. t. c.* p. 147 (Andamans); *Durnf. t. c.* p. 399 (N. Frisian Isl.); *Hume, Str. F.* ii. p. 299 (1874: Andamans, Sept. to May); *Adam, t. c.* p. 339 (Sambhur, July); *Salvad. Ucc. Born.* p. 328 (1874); *Blyth & Wald. B. Burm.* p. 155 (1875); *Dresser, B. Eur.* viii. p. 157, pl. 568. fig. 1, pl. 569. fig. 2 (1875); *Irby, Orn. Straits Gibr.* p. 166 (1875); *Fallon, Ois. Belg.* p. 173 (1875); *Danf. & Harvie-Brown, Ibis*, 1875, p. 421 (Transylvania); *Wald. Trans. Z. S.* ix. p. 234 (1875: Philippine Isl.); *Butler, Str. F.* iv. p. 18 (1876: Mount Aboo); *Scully, t. c.* p. 189 (East. Turkestan); *Armstrong, t. c.* p. 348 (Irawaddy Delta); *Blanf. East. Persia*, ii. p. 285 (1876: Shiraz Lake, June); *Dresser, Ibis*, 1876, p. 412; *Tacz. Bull. Soc. Zool. France*, i. p. 251 (1876); *Butler, Str. F.* v. p. 233 (1877: Karachi, Aug., May); *David & Oust. Ois. Chine*, p. 464 (1877); *Tacz. Bull. Soc. Zool. France*, ii. p. 156 (1877: Poland); *Danf. Ibis*, 1878, p. 33 (Asia Minor); *Prjev. in Rowley's Orn. Misc.* iii. p. 88 (1878); *Hume & Davison, Str. F.* vi. p. 464 (1878: Tenasserim); *Davids. & Wenden, Str. F.* vii. p. 89 (1878: Deccan); *Cripps, t. c.* p. 304 (Faridpur); *Hume, t. c.* p. 488 (Calcutta); *id. op. cit.* viii. p. 113 (1879); *Bogd. B. Cauc.* p. 157 (1879); *Finsch, Verh. z.-b. Ges. Wien*, xxix. p. 250 (1879: Sassyk-Alu-Kul, May); *Tirant, Bull. Agric. Cochinchine*, (3) i. p. 157 (1879); *Butler, Cat. B. Sind etc.* p. 65 (1879: winter visitor); *id. Cat. B. S. Bomb. Pres.* p. 78 (1880); *Legge, B. Ceylon*, p. 852 (1880); *Vidal, Str. F.* ix. p. 86 (1880: S. Konkan); *Hume, t. c.* p. 259 (Cachar); *Reid, Str. F.* x. p. 71 (1881: Lucknow); *Oates, t. c.* p. 241 (Pegu); *Biddulph, Ibis*, 1881, p. 97 (Gilgit); *Scully, t. c.* p. 589 (Gilgit, April and Sept.); *Bocage, Orn. Angola*, p. 466 (1881); *Collett, Norges Fuglef.* p. 102 (1881); *Blakist. & Pryer, B. Jap.* p. 109 (1882); *Salvin, Cat. Strickl. Coll.* p. 613 (1882: Smyrna); *C. Swinh. Ibis*, 1882, p. 122 (Candahar, Jan. to March); *Seebohm, t. c.* p. 222 (Astrakhan); *Biddulph, t. c.* p. 229; *Seebohm, t. c.* p. 381 (Archangel); *Davids. Str. F.* x. p. 321 (1882: West. Khandeish); *Seebohm, Ibis*, 1883, p. 30 (Caucasus, breeding); *Severtz. t. c.* p. 74 (Pamir, breeding); *Irby, t. c.* p. 186 (Santander); *Oates, Handb. B. Brit. Burm.* ii. p. 404 (1883); *B. O. U. List Brit. B.* p. 176 (1883); *Booth, Rough Notes*, ii. (1882-87); *Giglioli, Iconogr. Avif. Ital.* no. 295; *Saunders, ed. Yarrell's Brit. B.* iii. p. 469 (1883); *id. Ibis*, 1884, p. 390 (Pyrenees, March); *Murray, Vertebr. Faun. Sind*, p. 256 (1884); *Radde, Orn. Cauc.* pp. 45, 432 (1884: Tiflis, 6300 ft., breeding); *Sharpe, ed. Layard's B. S. Afr.* p. 688 (1884); *Bogd. Consp. Av.*

Imp. Russ. p. 93 (1884); *Tristr. Faun. & Flor. Palest.* p. 134 (1884: winter); *Seebohm, Hist. Brit. B.* iii. p. 140, pl. 32. figs. 1-3 (1885); *Whitehead, Ibis*, 1885, p. 43 (Corsica); *Swinh. & Barnes t. c.* p. 134 (Mhow distr.); *Seebohm, t. c.* p. 363 (Yokohama); *Verbury, Ibis*, 1886, p. 21 (Aden); *Sharpe, t. c.* p. 167 (Muscat); *Reid, t. c.* p. 253 (Laraish Valley, Morocco, winter); *Sharpe, t. c.* p. 492 (Fao); *Hartert, J. f. O.* 1886, p. 308 (R. Niger, Sept. and Feb.); *Giglioli, Avif. Ital.* p. 397 (1886); *Salvad. Ezneo Ucc. Ital.* p. 226 (1886); *Pleske, Uebers. Saug. u. Vog. Kola-Halbins.* p. 362 (1886); *Tait, Ibis*, 1887, p. 392 (Portugal, July and Aug.); *Macgregor, Str. F.* x. p. 406 (1887: Mysore); *Harvie-Brown & Buckley, Vertebr. Faun. Caithn.* p. 223 (1887); *Giglioli & Salvad. P. Z. S.* 1887, p. 587 (Olga Bay, Corea); *Harvie-Brown & Buckley, Vertebr. Faun. Outer Hebr.* p. 135 (1888); *Seebohm, Geogr. Distr. Charadr.* p. 553 (1888); *Tacz. P. Z. S.* 1888, p. 457 (Corea); *Irby, Key List Brit. B.* p. 49 (1888); *Sharpe, Ibis*, 1888, p. 293 (Palawan); *Koenig, J. f. O.* 1888, p. 279 (Tunis, April); *Hume, Str. F.* xi. p. 325 (1888: Manipur); *Everett, Journ. Straits Branch As. Soc.* 1889, p. 208; *St. John, Ibis*, 1889, p. 177 (Afghanistan, winter); *Lilford, t. c.* p. 342 (Cyprus, April); *Clarke, t. c.* p. 552 (Pyrenees); *Saunders, Man. Brit. B.* p. 601 (1889); *Reichen. Syst. Uebers. Vog. Deutschl.* p. 47 (1889); *Giglioli, Av. Ital.*, 1st *Resc.* p. 632 (1889), 2nd *Resc.* p. 662 (1890), 3rd *Resc.* p. 517 (1891); *Koenig, J. f. O.* 1890, p. 456 (Madeira); *Seebohm, B. Japan. Emp.* p. 320 (1890); *Ogilvie Grant, Ibis*, 1890, p. 442 (Madeira); *Brusina, Mater. etc.* (*Orn. Croatica*), p. 90 (1890); *H. Evans, Ibis*, 1891, p. 81 (incubation); *Lilford, Col. Fig. Brit. B.* part xviii. (1891); *Madarasz, Erlaut. Anmk. Ungar. Vogelf.* p. 108 (1891); *Friedrich, Av. Hung.* p. 140 (1891); *Buckley & Harvie-Brown, Vertebr. Faun. Orkney Isl.* p. 219 (1891); *Saunders, Ibis*, 1891, p. 187 (Switzerland, April); *Dresser, t. c.* p. 109 (Erzeroum); *Sharpe, t. c.* p. 114 (Fao); *id. Rep. 2nd York. Miss. Accs.* p. 140 (1891: Yarkand, Nov.; Kargalik, May); *Gätke, Vogelw. Helgol.* p. 507 (1891); *Macpherson, Vertebr. Faun. Lakeland*, p. 305 (1892); *Seebohm, Ibis*, 1892, p. 24 (Hé; Japan, spring and autumn); *Rendall, t. c.* p. 229 (Gambia); *Dresser, t. c.* p. 500 (Pinsch, Swatow); *Hartert, t. c.* p. 515 (E. Prussia); *Harvie-Brown & Buckley, Vertebr. Faun. Moray & Inner Hebr.* p. 181 (1892); *Barnes, Ibis*, 1893, pp. 173, 181 (Algeria); *Meade-Waldo, t. c.* p. 295 (Canary Isls.); *Styan, t. c.* p. 457 (Pei-tang); *Tacz. Mem. Acad. Imp. St. Petersb.* (7) xxxix. p. 806 (1893); *Pearson & Bidwell, Ibis*, 1894, p. 235 (N. Norway, breeding); *Dix, Ornis Straticensis*, 2nd ed. p. 287 (1895); *Sjöstedt, K. Svensk. Vet.-Akad. Handl.* xxviii. p. 27 (1895: Cameroons, Feb.).

Gambetta calidris, *Kaup, Natürl. Syst.* p. 54 (1829); *Bp. C. R.* xliii. p. 597 (1856); *Irby, Ibis*, 1860, p. 80 (Algeria); *Bourg. t. c.* p. 446 (Cyprus and Crete); *Loche, Exp. pl. Sci. Algér., Ois.* ii. p. 321 (1867).

Totanus atricapillus, *Brehm, Vog. Deutschl.* p. 636 (1831).

Totanus striatus, *Brehm, Vog. Deutschl.* p. 637 (1831).

Totanus Redshank, *Yarrell, Brit. B.* iii. p. 254 (1843).

Totanus griseus, *Brehm, Vog. Eur.* p. 512 (1855).

Totanus griseolus fuscus, *Brehm, Naum.* 1855, p. 292.

Trynga calidris, *Adams, Ibis*, 1861, p. 33 (Alexandria, Feb.); *Wright, t. c.* p. 146 (Malta, Sept. to April).

Totanus fuscus minor, *Leith, Straits Rev.*, 1866, p. 295 (Formosa).

Ayocichla calidris, *Heine & Reichen. Nomencl. Mus. Hein.* p. 327 (1890).

Adult male in summer plumage. General colour above brown, with more or less of a reddish hue, the feathers mottled with black centres and notched or barred with black on the margins; scapulars brown, barred with black; lower back and rump pure white, with a few black spots on the latter; upper tail-coverts ashy white, barred across with black; wing-coverts uniform, excepting the median and greater coverts, which are barred with lighter brown and notched with white at the ends; bastard-wing, primary-coverts, and primaries uniform blackish brown; the inner primaries white towards the ends, freckled with brown; secondaries white, with blackish bases; the inner secondaries brown, notched with whity brown and more or less distinctly barred with black; centre tail-feathers brown, barred with darker brown, the remainder white, barred across with blackish; crown of head dark brown, the feathers edged with lighter brown; lores blackish; sides of face and ear-coverts white, streaked with blackish brown; cheeks, throat, and under surface of body white, streaked with broad central markings of blackish brown, most of the breast-feathers with more or less concealed bars of brown; abdomen white; sides of body and flanks with arrow-shaped bars and streaks of brown; under tail-coverts white, barred across with brown; under wing-coverts and axillaries pure white, with a few narrow brown bars near the edge of the wing; quills below dusky brown, ashy on the inner web, many of the quills freckled or barred with brown; bill black, red near the base; feet bright orange-red; iris brown. Total length 9·5 inches, culmen 1·55, wing 5·85, tail 2·4, tarsus 1·65.

Adult female in breeding-plumage. Similar to the male, but not quite so strongly mottled with black above and somewhat less spotted below. Total length 10 inches, culmen 1·5, wing 6·2, tail 2·45, tarsus 1·65.

Adult in winter plumage. Differs from the summer plumage in being more uniform both above and below. The upper surface is dark ashy brown, and the wing-coverts and inner secondaries are also uniform brown, excepting for a few whitish notches and bars at the end of the greater coverts and on some of the inner secondaries; otherwise the quills and tail-feathers are the same as in the summer plumage; throat and underparts white; the sides of the face and lower throat narrowly streaked with blackish; the fore-neck, chest, and sides of breast uniform ashy brown; the sides of the body, flanks, and under tail-coverts white, with wavy bars of blackish brown; the centre of the breast also mottled with a few spots and bars of brown: bill dark brown; feet yellow; iris dark brown.

Young after first moult. Similar to the winter plumage of the adults, but more spangled above, with reddish-brown edges to the feathers and white or fulvous notches or bars on the wing-coverts and inner secondaries; under surface of body with triangular spots of brown on the fore-neck and breast, and the sides of the body irregularly barred with brown.

Nestling. Reddish above, longitudinally streaked with black; the sides of the crown and sides of face buff, with a black line

through the eye; the centre of the crown rufous, with a median line of black, the nape and hind-neck for the most part black; down the back a central line of black, mesially mottled with buff, and on each side of the back a broad line of pale buff intersected by a line of black.

The Eastern Redshanks from Central Asia and India are much more richly coloured in the breeding-season than European individuals, being much more rufous, and having the inner median coverts rufous with distinct blackish bars. The European specimens appear to be always more dusky, both in winter and summer plumage.

Hab. Breeds throughout Europe generally and the Mediterranean countries, and across Asia Minor south of about 55° to Eastern Siberia. In winter it visits Africa, India, the Burmese countries, and the Malayan Archipelago.

a–c. Pull. sk.	Orkney Islands.	Gould Coll.
d, e. Pull. sk.	Orkney Islands.	Salvin-Godman Coll.
f, g. Pull. st.	Kirkwall, Orkneys.	Purchased.
h. Imm. sk.	Thurso, N. Scotland (*R. G. W. R.*).	Tweeddale Coll.
i, k. ♂ ♀ hiem. sk.	Moray Forth, Sept. 10.	J. M. Chadwick, Esq. [P.].
l. Imm. sk.	St. Andrews (*R. G. W. R.*).	Tweeddale Coll.
m, n. Ad. sk.	Island of Tiree, March 4.	Colonel Irby [P.].
o, p. Ad. sk.	Warkworth, Northumberland, Nov.	Salvin-Godman Coll.
q–t. Pull. st.	Carlisle, Cumberland, June.	Rev. H. A. Macpherson [P.].
u, v. Ad. sk.	Lincolnshire.	Montagu Coll.
w–z. ♂ ♀ juv. sk.	Lincolnshire, Sept. 11.	J. H. Caton Haigh, Esq. [P.].
a', b'. Ad. sk.	Norfolk.	Salvin-Godman Coll.
c'. Pull. st.	Yarmouth, June.	Harting Coll.
d'. Pull. sk.	Norfolk Broads, May 27.	Dr. Günther [P.].
e', f'. ♂ ♀ ad. sk.	Snape, Suffolk, May 25 (*A. C. Kennedy*).	Seebohm Coll.
g'. ♀ ad. sk.	Walton, Essex (*F. Bond*).	Seebohm Coll.
h'. Juv. st.	Kingsbury Reservoir, Middlesex, Aug. (*J. E. H.*).	Harting Coll.
i', k'. Juv. sk.	Romney Marsh, Kent, Aug., Sept.	Dr. R. B. Sharpe [P.].
l'. ♂ ad. sk.	Pagham Harbour, Sussex, May (*J. E. Harting*).	Seebohm Coll.
m'. ♂ juv. sk.	Pagham Harbour, Aug. 14 (*G. E. Shelley*).	Seebohm Coll.
n'. Juv. st.	South Wales.	Rev. A. Morgan [P.].
o', p'. Ad. et juv. st.	Ballinacuik, Ireland.	C. Coningham, Esq. [P.].
q'. ♂ ad. sk.	Bodo, Norway (*F. D. G.*).	Salvin-Godman Coll.
r'. ♂ ad. sk.	Dovrefjeld, Norway.	Gould Coll.
s'. ♂ imm. sk.	Kistrand, June 20 (*H. S.*).	Seebohm Coll.
t'. ♂ ad. sk.	Havre, France, April 18 (*V. Huche*).	Seebohm Coll.
u'. ♂ ad. sk.	River Genil, Granada, Spain, April (*H. Saunders*).	Tweeddale Coll.

v'. ♀ ad. sk.	Seville, Spain, April 20 (*H. Saunders*).	Seebohm Coll.
w', *x'*. Ad. sk.	Marocco.	Seebohm Coll.
y'. ♂ ad. sk.	Madeira, April 26.	W. R. Ogilvie Grant, Esq. [P.].
z'. Ad. sk.	River Gambia.	GovernorRendall[C.].
a''. Ad. sk.	Naqua River, Fantee (*H. T. Ussher*).	Seebohm Coll.
b''. ♂ ad. sk.	Zoulla, Abyssinia, March 12 (*W. Jesse*).	Tweeddale Coll.
c''. Ad. sk.	Zoulla, Jan. 23.	W. T. Blanford, Esq. [C.].
d''. Ad. sk.	Egypt, Feb. 19.	Capt. Shelley [P.].
e''–g''. Ad. sk.	Egypt, Feb. (*G. E. Shelley*).	Seebohm Coll.
h''. Ad. st.	Athens.	Consul Merlin [P.].
i''. ♂ ad. sk.	Mount Carmel, Palestine.	Canon Tristram [C.].
k''. Ad. sk.	Asia Minor, May 13 (*C. G. Danford*).	Seebohm Coll.
l''. ♀ ad. sk.	Asia Minor, Feb. 5 (*T. Robson*).	Dr. R. B. Sharpe [P.].
m'', *n''*. Ad. sk.	Marshes of Babylonia (*Commander Jones*).	India Museum.
o''. ♂ ad. sk.	Shiraz Lake, June 8.	Sir O. St. John [C.].
p''–t''. Imm. sk.	Fao, Persian Gulf, Aug., Sept.	W. D. Cumming, Esq. [P.].
u''. Ad. sk.	Muscat.	Colonel Miles [P.].
v''. ♂ ad. sk.	Saissan, Turkestan, May 20 (*Dr. O. Finsch*).	Geogr. Soc. Bremen.
w''. Ad. sk.	Gulcha.	St. George Littledale, Esq. [P.].
x''. Ad. sk.	Murghab, June 17.	St. George Littledale, Esq. [P.].
y''. Ad. sk.	Maralbashi, April 3.	St. George Littledale, Esq. [P.].
z''. ♂ ad. sk.	Yarkand (*J. Biddulph*).	Hume Coll.
a^3, b^3. Ad. sk.	Yarkand (*Colonel Chapman*).	Dr. R. B. Sharpe [P.].
c^3. ♀ ad.; d^3. Pull. sk.	Yarkand, June (*J. Scully*).	Hume Coll.
e^3. Ad. sk.	Karghalik, Yarkand, May 29 (*F. Stoliczka*).	Forsyth Exped.
f^3. Imm. sk.	Yarkand, Nov. 13 (*F. S.*).	Forsyth Exped.
g^3. Ad. sk.	Kashgar (*Dr. Bellew*).	India Museum.
h^3. Ad. sk.	Thibet.	Earl of Gifford [P.].
i^3–l^3. Ad. sk.	Thibet, June to August (*L. Mandelli*).	Hume Coll.
m^3, n^3. ♂ ♀ ad. sk.	Candahar, March, April (*Sir O. St. John*).	Hume Coll.
o^3 ♂ ad.; p^3, q^3. ♀ ad. sk.	Candahar, Jan. to March.	Col. Swinhoe [P.].
r^3, s^3. Imm. sk.	Ghiznee, Sindh (*Dr. H. Gould*).	India Museum.
t^3. ♂ ad.; u^3, v^3. ♀ ad. sk.	Karachi, Dec., Feb. (*A. O. H.*).	Hume Coll.
w^3. ♂ ad. sk.	Karachi, Sept. 13 (*E. A. Butler*).	Hume Coll.
x^3. ♂ ad. sk.	Shahpur, Nov. 27 (*A. O. H.*).	Hume Coll.

y^3. Imm. sk.	Balacherry, Kattiawar, Oct. 19.	Col. Hayes Lloyd [P.].
z^2, a^4. ♂ ad. et imm.; b^4. ♀ ad. sk.	Sambhur, March, July, Nov. (*R. M. Adam*).	Hume Coll.
c^4. Ad. sk.	Delhi.	Hume Coll.
d^4, e^4. ♂ ♀ ad. sk.	Gurgaon Distr., Feb., Oct. (*W. N. Chill*).	Hume Coll.
f^4, g^4. ♂ juv. sk.	Gilgit, August.	Col. Biddulph [C.].
h^4. Ad. sk.	Kooloo, N.W. Himalayas (*Major Hay*).	Gould Coll.
i^4–l^4. Ad. sk.	Etawah, Nov., Jan.	Hume Coll.
m^4–p^4. ♂ ad. sk.	Futtehghur District, Sept., Oct. (*A. Anderson*).	Hume Coll.
q^4. ♂ ad. sk.	Futtehghur, Sept. 6 (*A. Anderson*).	Seebohm Coll.
r^4. Imm. sk.	Nepal.	Hodgson Coll.
s^4–x^4. Ad. sk.	Native Sikhim, May–Aug. (*L. Mandelli*).	Hume Coll.
z^4. Ad. sk.	Darjeeling.	Seebohm Coll.
y^4, z^4. Ad. sk.	Calcutta (*E. Blyth*).	India Museum.
a^5. Ad. st.	Calcutta.	India Museum.
b^5–d^5. Ad. sk.	Calcutta, April (*W. T. Blanford*).	Hume Coll.
e^5, f^5. ♂ ♀ ad. sk.	Calcutta.	Godwin-Austen Coll.
g^5. ♂. Ad. sk.	Dacca.	Hume Coll.
h^5. ♂ ad. sk.	N.E. Ceylon, Jan. 28 (*W. V. Legge*).	Dr. R. B. Sharpe [P.].
i^5. ♀ ad. sk.	Faridpur, April 2 (*J. R. Crippa*).	Hume Coll.
m^5. Ad. sk.	Assam (*McClelland*).	India Museum.
n^5. ♀ ad. sk.	Cachar, March 23 (*J. Inglis*).	Hume Coll.
o^5. Ad. sk.	Aracan Coast (*R. C. Tytler*).	India Museum.
p^5. Ad. sk.	Burmah, Dec. 28 (*R. G. W. R.*).	Tweeddale Coll.
q^5, r^5. ♂ ad.; s^5, t^5. ♀ ad. sk.	Elephant Point, Dec., Jan. (*J. Armstrong*).	Hume Coll.
u^5. ♂ ad. sk.	Zikeeka-Yai Creek, Oct. 23 (*J. Armstrong*).	Hume Coll.
x^5 y^5. ♂ ad. sk.	Lower Pegu, April, Nov. (*E. W. O.*).	Oates Coll.
z^5. ♂ ad. sk.	Karen-nee, March 20 (*R. G. W. R.*).	Tweeddale Coll.
a^6, b^6. ♂ ♀ ad. sk.	Amherst, Tenasserim, Dec., Jan. (*W. Davison*).	Hume Coll.
c^6. ♂ ad. sk.	Kadee, Salween River, Feb. 4 (*W. Davison*).	Hume Coll.
d^6, e^6. ♂ ad.; f^6. ♀ ad. sk.	Thatone, Dec. (*W. Davison*).	Hume Coll.
g^6, h^6. ♂ ad. sk.	Long Island, Tavoy River, April 29 (*W. Davison*).	Hume Coll.
i^6. ♂ ad. sk.	Wippitan, Dec. 13 (*J. Darling*).	Hume Coll.
k^6. ♂ ad. sk.	Bopyin Creek, Dec. 22 (*W. Davison*).	Hume Coll.
l^6. ♀ ad. sk.	Choungchapee Creek, Maleewoon, May 15 (*W. Davison*).	Hume Coll.

m^6, n^6. ♂ ♀ ad. sk.	Port Blair, S. Andamans, May, July (*R. J. Wimberley*).	Tweeddale Coll.
o^6, p^6. ♂ ♀ ad. sk.	Port Blair, Jan. (*W. Davison*).	Hume Coll.
q^6, r^6. ♂ ♀ ad. sk.	Port Blair, June, Sept. (*R. J. Wimberley*).	Hume Coll.
s^6, t^6. ♂ ♀ imm.; u^6. ♂ ad. sk.	S. Andamans, Sept. (*R. J. Wimberley*).	Hume Coll.
v^6. ♀ ad. sk.	S. Andamans, Nov. 4 (*R. J. Wimberley*).	Tweeddale Coll.
w^6. ♂ ad. sk.	Aberdeen, S. Andamans, May 3 (*W. Davison*).	Hume Coll.
x^6. Ad. sk.	Nicobar Islands.	Tweeddale Coll.
y^6–k^7. ♂ ad.; l^7–s^7. ♀ ad. sk.	Salangore, Malayan Peninsula, Aug., Dec., March (*W. Davison*).	Hume Coll.
t^7. Imm. sk.	Malacca (*Dr. Maingay*).	Tweeddale Coll.
w^7. ♂ imm. sk.	Singapore, Sept. 12 (*W. Davison*).	Hume Coll.
v^7. ♀ ad. sk.	Sarawak, Borneo.	Wallace Coll.
w^7. ♂ imm.; x^7, y^7. ♀ imm. sk.	Labuan, August.	A. H. Everett, Esq. [C.].
z^7. ♂ ad. sk.	Dumaguete, Negros, Feb. 8.	E. L. Moseley, Esq. [C.].
a^8, b^8. ♂ ♀ ad. sk.	N. Bohol, May (*A. H. Everett*).	Tweeddale Coll.
c^8. Ad. sk.	Hainan Feb. (*R. Swinhoe*).	Seebohm Coll.
d^8. Ad. sk.	Takow, Formosa, Oct. (*R. Swinhoe*).	Seebohm Coll.
e^8. ♂ ad. sk.	Canton, China.	Tweeddale Coll.
f^8. Ad. sk.	Tientsin.	Tweeddale Coll.
g^8, h^8. Ad. sk.	Shanghai, Jan., April (*R. Swinhoe*).	Seebohm Coll.
i^8. ♂ ad. sk.	Lob-Nor, March (*Prjevalsky*).	Seebohm Coll.
k^8. Skeleton.	England.	Purchased.
l^8. Sternum.	England.	John Ray, Esq. [P.].
m^8. Skull.	Heligoland.	Dr. Günther [C.].
n^8. Sternum.	Pegu.	E. W. Oates, Esq. [C.].
o^8. Bones of trunk.	Nepal.	Hodgson Coll.

3. Totanus stagnatilis.

Totanus stagnatilis, *Bechst. Orn. Taschenb.* ii. p. 292, cum tab. (1803); *Vieill. N. Dict. d'Hist. Nat.* vi. p. 403 (1816); *Temm. Man. d'Orn.* ii. p. 647 (1820); *Roux, Orn. Prov.* pl. 295 (1825); *Werner, Atlas, Grall.* pl. xxiii. (1827); *Less. Traité d'Orn.* p. 552 (1831); *Brehm, Vög. Deutschl.* p. 644 (1831); *Naum. Vög. Deutschl.* viii. p. 171, pl. 202 (1836); *Gould, B. Eur.* iv. pl. 314 (1837); *Bp. Comp. List B. Eur. & N. Amer.* p. 51 (1838); *Crespon, Orn. Gard*, p. 426 (1840); *Keys. & Blas. Wirb. Eur.* pp. lxxii, 210 (1840); *Nordm. in Démid. Voy. Russ. Mérid.* iii. p. 246 (1840: Black Sea, April); *Selys-Longch. Faun. Belg.* p. 127, note (1842); *Schl. Rev. Crit.* p. xciii (1844); *Mühle, Beitr. Orn. Griechenl.* p. 99 (1844); *Gray, List Grall. Brit.*

Mus. p. 100 (1844: Athens; Dalmatia; Gambia); *Rüpp. Syst. Uebers.* p. 126 (1845); *Gould, B. Austr.* vi. pl. 37 (1848); *Blyth, Cat. B. Mus. As. Soc.* p. 290 (1849: Calcutta); *Reichenb. Grall.* tab. lxxv. figs. 578 9 (1850); *Middend. Reis. Sibir., Zool.* p. 214 (1851: Sea of Ochotsk); *Licht. Nomencl. Av. Mus. Berol.* p. 91 (1854); *Bp. C. R.* xliii. p. 598 (1856); *Heugl. Syst. Uebers.* p. 62 (1856: Kordofan); *Hartl. Orn. West-Afr.* p. 243 (1857: Ashanti); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 458 (1859); *Taylor, Ibis*, 1859, p. 53; *Heugl. t. c.* p. 349 (Massoua); *Linderm Voy. Griechenl.* p. 138 (1860); *Pucys, Ibis*, 1860, p. 344 (Corfu, March to May); *Irby, Ibis*, 1861, p. 230 (Kumaon); *Swinh. Ibis*, 1862, p. 254 (Foochow); *Radde, Reis. Sibir., Voy.* p. 328 (1863: Tarei-nor, April); *Wright, Ibis*, 1864, p. 146 (Malta, May); *Jerd. B. Ind.* iii. p. 701 (1864); *Schl. Mus. Pays-Bas*, Scolopaces, p. 68 (1864: Gurjev; Gold Coast; Ceylon; Borneo; Java); *Gould, Handb. B. Austr.* ii. p. 267 (1865); *Layard, B. S. Afr.* p. 324 (1867); *Degl. & Gerbe, Orn. Eur.* ii. p. 221 (1867); *Loche, Expl. Sci. Algér., Ois.* ii. p. 317 (1867); *Borggr. Vogelf. Norddeutschl.* p. 113 (1869); *Doderl. Avif. Sicil.* p. 185 (1869); *Layard, Ibis*, 1869, p. 76 (Colesberg; George); *Finsch, Trans. Z. S.* vii. p. 289 (1870: Zoulla, March); *Elwes & Buckley, Ibis*, 1870, p. 332 (Corfu); *Swinh. t. c.* p. 364 (Hainan); *Fritsch, Vog. Eur.* tab. 38. fig. 3 (1870); *Salvad. Faun. Ital., Uce.* p. 220 (1871); *Swinh. P. Z. S.* 1871, p. 405 (Formosa; Amoy; Hainan); *Sharpe & Dresser, B. Eur.* viii. p. 151, pl. 566 (1871); *Holdsw. P. Z. S.* 1872, p. 475 (Aripo, Ceylon); *Gurney in Anderss. B. Dam. Land*, p. 302 (1872); *Shelley, B. Egypt*, p. 257 (1872); *Brusc. Ibis*, 1873, p. 338 (Sardinia); *Severtz. Turkest. Jevotn.* p. 60 (1873: breeding); *Taez. J. f. O.* 1874, p. 325 (Argun R.); *Adam. Str. F.* ii. p. 338 (1874: Sambhur); *Salvad. Uce. Born.* p. 328 (1874); *Hume, Str. F.* iii. p. 183 (1875: Pegu); *Fallon, Ois. Bely.* p. 173 (1875: irregular migrant); *Cordeaux, Ibis*, 1875, p. 185 (Heligoland, May); *Danf. & Harvie-Brown, t. c.* p. 420 (Transylvania); *Blyth & Wald. B. Burm.* p. 155 (1875); *Sharpe & Bouvier, Bull. Soc. Zool. France*, i. p. 53 (1876: Landana); *Taez. t. c.* p. 250; *Butler, Str. F.* iv. p. 18 (1876: Mount Abo district); *Faith. t. c.* p. 263 (Ahmednuggur); *Armstrong, t. c.* p. 348 (Irawaddy Delta); *Blanf. East. Persia*, ii. p. 285 (1876); *Dresser, Ibis*, 1876, p. 412; *Taez. Bull. Soc. Zool. France*, ii. p. 156 (1877: Poland); *David & Oust. Ois. Chine*, p. 403 (1877); *Butler, Str. F.* v. p. 233 (1877: Karachi, Aug. to May); *Ramsay, Proc. Linn. Soc. N. S. W.* i. p. 180 (1877), ii. p. 197 (1878: N. S. W.; Wide Bay District; S.E. New Guinea); *Hume & Dresser, Str. F.* vi. p. 463 (1878: Tenasserim); *Davidson & Brooks, Str. F.* vii. p. 80 (1878: Deccan, cold season); *Hume, t. c.* p. 488 (Calcutta); *Legl. B. Ceyl.* p. 736 (1879); *Finsch, Verhandl z.-b. Ges. Wien*, xxix. p. 250 (1879); *Hume, Str. F.* viii. p. 70 (1879: Malay Peninsula, p. 113); *Butler, Cat. B. Sind etc.* p. 65 (1879); *id. Cat. B. S. Bomb. Pres.* p. 78 (1880); *Legge, B. Ceylon*, p. 844 (1880); *Barboza, Orn. Angola*, p. 465 (1881); *Pelz. Verhandl z.-b. Ges. Wien*, xxxi. p. 155 (1881: Lado, Feb.); *Reid, Str. F.* x. p. 81 (1881: Lucknow); *Davidson, t. c.* p. 321 (1882: W. Khandeish); *Sarain, Cat. Strickl. Coll.* p. 615 (1882); *Salvad. Orn. Papuas. et al.* iii. p. 324 (1882); *Seebohm, Ibis*, 1882, p. 222 (Astrakhan); *Dixon, t. c.* p. 578 (Constantine); *Seebohm, Ibis*, 1883, p. 20 (Caucasus, breeding); *Oates, Handb. B. Brit. Burm.* ii. p. 403 (1884); *Tristr. Faun. & Flor. Palest.*

p. 134 (1884); *Bogd. Consp. Av. Imp. Ross.* p. 95 (1884); *Radde Orn. Cauc.* pp. 45, 431 (1884); *Murray, Vertebr. Faun. Sind*, p. 255 (1884); *Vorderm. Nat. Tijdschr. Nederl. Ind.* xliv. p. 204 (1884: Java); *Sharpe, ed. Layard's B. S. Afr.* p. 690 (1884: Colesberg; Orange River; Knysna); *Salvad. Ann. Mus. Genov.* (2) i. p. 221 (1884: Cialalaká, Nov.); *Swinh. & Barnes, Ibis*, 1885, p. 134 (Mhow); *Vorderm. Nat. Tijdschr. Nederl. Ind.* xlvi. p. 22 (1886: Borneo); *Gigl. Avif. Ital.* p. 397 (1886); *Salvad. Elenco Ucc. Ital.* p. 227 (1886); *Seebohm, Ibis*, 1886, p. 26 (Upper Engadine); *Hume, Str. F.* xi. p. 325 (1888: Manipur); *Koenig, J. f. O.* 1888, p. 281 (Tunis, Feb.); *Salvad. Ann. Mus. Genov.* (2) vi. p. 312 (1888: Shoa, Feb.); *Seebohm, Geogr. Distr. Charadr.* p. 357 (1888); *Ramsay, Tab. List Austr. B.* p. 20 (1888); *Reichen. J. f. O.* 1889, p. 267 (Quilimane, Jan.); *Lilford, Ibis*, 1889, p. 341 (Cyprus, Jan.); *Reichen. Syst. Verz. Vög. Deutschl.* p. 48 (1889); *Vorderm. Nat. Tijdschr. Nederl. Ind.* xlix. p. 416 (1889: Sumatra); *Everett, Journ. Straits Branch As. Soc.* 1889, p. 208 (Tabanio); *Gigl. Avif. Ital.*, 1*st Resoc.* p. 601 (1889), 2*nd Resoc.* p. 662 (1890), 3*rd Resoc.* p. 517 (1891); *Seebohm, B. Japan. Emp.* p. 322 (1890); *Brusina, Motr. etc. (Orn. Croatica)*, p. 90 (1890); *Gätke, Vogelw. Helgol.* p. 509 (1891); *Salvad. Agg. Orn. Papuasia etc.* iii. p. 202 (1891); *Frivaldszky, Aves Ungar.* p. 119 (1891); *Madarász, Erläut. Ausst. Ungar. Vogelf.* p. 108 (1891); *Seebohm, Ibis*, 1892, p. 24 (Heligoland); *De la Touche, t. c.* p. 411 (Foochow & Swatow); *Hartert, t. c.* p. 515 (E. Prussia); *Fatio & Studer, Cat. Distr. Ois. Suisse*, p. 48 (1892); *Styan, Ibis*, 1893, p. 437 (Hainan); *Tacz. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 864 (1893); *Reichen. Jahrb. Anst. Wissensch. Hamburg*, x. p. 7 (1893: Quilimane); *id. Vög. Deutsch-Ost-Afr.* p. 41 (1894: Karéma, winter); *Irby, Orn. Straits Gibr.* 2nd ed. p. 286 (1895).

Trynga guinetta, *Pall. Zoogr. Rosso-Asiat.* ii. p. 195 (1811).

Glottis stagnatilis, *Koch, Syst. baier. Zool.* p. 306 (1816).

Totanus tenuirostris, *Horsf. Trans. Linn. Soc.* xiii. p. 192 (1821: Java); *Bp. C. R.* xliii. p. 596 (1856).

Iliornis stagnatilis, *Kaup, Natürl. Syst.* p. 156 (1829).

Limosa horsfieldii, *Sykes, P. Z. S.* 1832, p. 163 (Deccan).

Totanus lathami, *Gray & Hardw. Illustr. Ind. Zool.* ii. pl. 51. fig. 3 (1834); *Reichenb. Grall.* tab. ccxc. fig. 2374 (1850).

Glottis horsfieldii, *Gray, List Grall. Brit. Mus.* p. 99 (1844: Gangautri; Nepal; China).

Totanus horsfieldii, *Gray, Gen. B.* iii. p. 573 (1846); *Scl. P. Z. S.* 1863, p. 222 (Tabanio).

Totanus stagnalis, *Gray, Gen. B.* iii. p. 573 (1846); *id. Hand-l. B.* iii. p. 44, no. 10266 (1871); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1159 (1873: N.E. Africa, Aug. to April).

Totanus (Glottis) horsfieldi, *Gray, P. Z. S.* 1860, p. 364 (E. Gilolo).

Totanus gracilis, *Brehm, Naum.* 1855, p. 292; *id. Vogelf.* p. 313 (1855).

Adult male in winter plumage. General colour above nearly uniform ashy brown, some of the feathers slightly margined with white; scapulars like the back; lower back and rump pure white; upper tail-coverts white, mesially streaked and transversely barred with black; lesser wing-coverts darker brown than the back; median and greater coverts ashy brown like the back, with narrow

margins of paler brown; bastard-wing brown like the coverts; primary-coverts and quills blackish, fringed with white at the end of the inner web; the secondaries ashy brown like the greater coverts and fringed with white at the ends; the inner secondaries ashy brown, irregularly spotted with black; centre tail-feathers ashy, irregularly barred with black, the remainder of the tail-feathers white, freckled on the outer web and barred on the inner one with blackish; crown of head ashy brown like the back, mottled with blackish centres to the feathers; forehead and an indistinct eyebrow hoary white; lores white; sides of face, ear-coverts, and cheeks white, spotted or streaked with ashy brown; chin, throat, and under surface of body pure white, with a few dusky streaks and bars on the sides of the upper breast; under wing-coverts and axillaries pure white, the lower primary-coverts grey, edged with white; quills below ashy, with white fringes to the secondaries: "bill black, olive-brown at base; feet yellowish brown with an olive tinge; claws dark brown; iris brown" (*E. W. Oates*). Total length 9·5 inches, culmen 1·6, wing 5·2, tail 2·1, tarsus 2·1.

Adult female in winter plumage. Similar to the male. Total length 10·3 inches, culmen 1·65, wing 5·4, tail 2·5, tarsus 2·2.

Adults in summer plumage. Lighter ashy grey than in winter, with a reddish tinge, the feathers of the upper surface centred and barred with black in a conspicuous manner; the throat and breast spotted and the sides of the body marked with arrow-shaped bars of blackish, less distinct on the flanks.

Young birds after the first moult resemble the winter plumage of the adults, but have conspicuous white fringes to the feathers of the upper surface, the under surface of the body being pure white, with scarcely any dusky freckling on the sides of the breast.

Hab. Southern Europe, extending to North-eastern Asia, wintering in Africa, India, and the Malay Archipelago, the Moluccas, and Australia.

a, *b*	Ad. sk.	'England.'	Old Coll.
c, *d*	ad. sk.	Fogarus, Hungary (*E. Cyzak*).	Hungarian National Museum.
d	Ad. sk.	Dalmatia.	Old Coll.
e	Ad. sk.	Greece.	Gould Coll.
f	Ad. sk.	Athens.	Consul Merlin (P.).
g	Ad. sk.	Crimea, May.	Gould Coll.
h, *i*	ad. sk.	Ismid, Asia Minor (*T. Reburn*).	Seebohm Coll.
j	Ad. sk.	Egypt (*G. E. S.*).	Shelley Coll.
k	Ad. sk.	Alexandria, April (*S. S. Allen*).	Seebohm Coll.
l, *m*	ad. sk.	Nubia, April 7 (*G. E. Shelley*).	Tweeddale Coll.
m	ad. sk.	Zoulla, Abyssinia, March 13 (*W. Jesse*).	Tweeddale Coll.
n	Ad. sk.	River Gambia.	Governor Rendall (P.).
o	Ad. sk.	Gold Coast.	Gould Coll.
p, *q*	ad. sk.	Orange River, Jan. 24 (*Dr. Bradshaw*).	R. B. Sharpe, Esq. (P.).
q	Ad. sk.	Tete, Zambesi (*Sir J. Kirk*).	Livingstone Expedition.

r, ♀ ad. sk.	Otjimbinque, Damara-land, Dec. 15 (*C. J. Andersson*).	Seebohm Coll.
s. Ad. sk.	Bushire, Persian Gulf.	A. I. V. Palmer, Esq. [P.].
t, *u*. ♂ ♀ ad. sk.	Sambhur, N.W. India, Aug., Sept. (*R. M. Adam*).	Hume Coll.
v. ♀ ad. sk.	Ajmere, Dec. 15 (*A. O. H.*).	Hume Coll.
w. ♂ ad. sk.	Oodeypur, Feb. 14 (*A. O. H.*).	Hume Coll.
x–*b'*. ♂ ♀ ad. sk.	Delhi, Dec. to April (*W. N. Chill*: *A. O. H.*).	Hume Coll.
c'. ♂ ad. sk.	Delhi, March 18 (*C. T. Bingham*).	Hume Coll.
d', *e'*. ♂ ad. sk.	Gurgaon, Jan. (*A. O. H.*).	Hume Coll.
f'. Ad. sk.	Sirsa.	Hume Coll.
g'. Ad. sk.	Gangaotri.	Old Coll.
h'. ♂ ad. sk.	Juggernathpur.	Hume Coll.
i'. ♀ ad. sk.	Etawah, Nov. 1.	Seebohm Coll.
k'–*n'*. ♂ ad.; *o'*–*q'*. Ad. sk.	Etawah, Nov. to March.	Hume Coll.
r'. ♀ ad. sk.	Futtehgurh District, April (*A. Anderson*).	Hume Coll.
s', *t'*. ♀ ad. sk.	Futtehgurh District, April (*A. Anderson*).	Seebohm Coll.
u', *v'*. Ad. sk.	Nepal.	Hodgson Coll.
w'. Ad. sk.	Behar.	Hodgson Coll.
x'. Ad. sk.	Chunar, Nov. 17 (*W. E. Brooks*).	Hume Coll.
y'. Ad. sk.	Dacca.	Hume Coll.
z'–*a''*. ♂ ad.; *b''*–*f''*. ♀ ad. sk.	Calcutta, Dec. to March.	Hume Coll.
g''. Ad. sk.	Calcutta.	India Museum
h''. ♀ ad. sk.	Mhow, Dec. 26.	Colonel Swinhoe [P.].
i''. ♂ ad. sk.	Khandeish, Nov. 4 (*J. Davidson*).	Hume Coll.
k''. Ad. sk.	Deccan (*Sykes*).	India Museum. (Type of *Limosa horsfieldi*.)
l''. Ad. sk.	Madras, Dec. 11 (*R. G. W. R.*).	Tweeddale Coll.
m''. Ad. sk.	Calicut.	Tweeddale Coll.
n''. ♂ ad. sk.	Elephant Point, Burmah, Feb. 20 (*J. Armstrong*).	Hume Coll.
o''–*q''*. ♀ ad. sk.	Lower Pegu, Oct.	Oates Coll.
r''. ♀ ad. sk.	Yeaboo, Tenasserim, March 9 (*W. Davison*).	Hume Coll.
s''. ad. sk.	Java (*Horsfield*).	Indian Museum. (Type of *T. tenuirostris*.)
t''. ad. sk.	Canton, China.	Tweeddale Coll.
u''. Juv. sk.	S.W. Formosa, Aug. 30 (*R. Swinhoe*).	Seebohm Coll.

4. Totanus melanoleucus.

Scolopax totanus (*nec Linn.*), *Forst. Phil. Trans.* lxii. p. 410 (1772).

Spotted Snipe, var. A, *Lath. Gen. Syn.* iii. pt. 1, p. 149 (1785 : *ex Forst.*).

Stone Snipe, *Penn. Arct. Zool.* ii. p. 468 (1785: Chateaux Bay); *Lath. Gen. Syn.* iii. pt. 1, p. 152 (1785).

Scolopax melanoleucus, *Gm. Syst. Nat.* i. p. 659 (1788); *Lath. Ind. Orn.* ii. p. 723 (1790).

Chorlito rabadilla blanca, *Azara, Apunt.* iii. p. 305 (1805).

Scolopax vociferus, *Wilson, Amer. Orn.* vii. p. 57, pl. 58. fig. 5 (1813).

Totanus melanoleucus, *Vieill. N. Dict. d'Hist. Nat.* vi. p. 308 (1816); *Less. Traité d'Orn.* p. 552 (1831); *Audub. Orn. Biogr.* iv. p. 68, pl. 308 (1838); *Bp. Comp. List B. Eur. & N. Amer.* p. 51 (1838); *Gould in Darwin's Voy. 'Beagle,' Birds*, p. 130 (1841); *Gray, List Grall. Brit. Mus.* p. 90 (1844); *Tschudi & Cab. Faun. Peruan., Aves*, p. 52 (1845-46); *Gray, Gen. B.* iii. p. 573 (1846); *Hartl. Ind. Azara*, p. 25 (1847); *Gosse, B. Jamaica*, p. 352 (1847); *Reichenb. Grall.* tab. lxxv. fig. 583 (1850); *Burm. Th. Bras.* iii. p. 308 (1856); *id. Reise La Plata-St.* ii. p. 503 (1861); *Schl. Mus. Pays-Bas*, Scolopaces, p. 63 (1864: Cuba; Colombia; Surinam; Chili); *Léot. Ois. Trinid.* p. 454 (1866); *Bryant, Proc. Bost. Soc. Nat. Hist.* xi. p. 69 (1866: Bahamas); *Sunder. Efv. K. Vet.-Akad. Förh. Stockh.* 1869, p. 588 (St. Bartholomew), p. 602 (Porto Rico); *Sel. & Salv. P. Z. S.* 1869, p. 156 (Tinta; Tungasuca); *Salv. P. Z. S.* 1870, p. 219 (Veragua); *Pelz. Orn. Bras.* p. 308 (1871: Caiçara, Oct.; Matto-grosso, Oct.; Cajutuba); *Gray, Hand-l. B.* iii. p. 45, no. 10273 (1871); *Finsch, Abh. nat. Ver. Bremen*, iii. p. 63 (1873: Alaska); *Coues, Key N. Amer. B.* p. 259 (1872); *Ridgw. Ann. Lyc. N. Y.* x. p. 384 (1874: Illinois); *Tacz. P. Z. S.* 1874, p. 560 (Chorillos; Junin); *Hensh. Rep. Zool. Expl. 100th Merid.* p. 458 (1875); *Lawr. Bull. U.S. Nat. Mus.* iv. p. 47 (1876: Tehuantepec); *Reid, Zool.* 1877, p. 477 (Bermudas, autumn migrant); *Sennett, Bull. U.S. Geol. Surv.* iv. p. 55 (1878: Texas, May); *Coues, t. c.* p. 462 (Montana, July, Aug.); *Mayn. B. East. N. Amer.* p. 394 (1879); *Allen, Bull. Nutt. Orn. Club*, v. p. 169 (1880); *Cory, B. Bahamas*, p. 161 (1880); *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 200 (1880); *A. & E. Newt. Handb. Jamaica*, p. 116 (1881); *Coues, Check-list N. Amer. B.* p. 103 (1882); *Brewster, Proc. Bost. Soc. Nat. Hist.* xxii. p. 386 (1883: Gulf of St. Lawrence); *Stearns, Proc. U.S. Nat. Mus.* vi. p. 119 (1883: Labrador); *Belding, t. c.* p. 351 (Lower California); *Nutting, t. c.* p. 379 (Nicaragua); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 260 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 638 (1884); *Barrows, Auk*, i. p. 315 (1884: Concepcion, Lower Uruguay); *Ridgw. Proc. U.S. Nat. Mus.* vii. p. 178 (1884: New Granada); *Berl. Ber.* 1884, p. 441 (Venezuela); *Drew, Auk*, ii. p. 18 (1885: Colorado); *Ayersb. t. c.* p. 286 (S.E. Dakota); *Turner, Proc. U.S. Nat. Mus.* viii. p. 247 (1885: Kokoxak R., Labrador); *id. Contr. Nat. Hist. Alaska*, p. 180 (1886); *A. O. U. Check-list N. Amer. B.* p. 155 (1886); *Tacz. Orn. Peruana*, iii. p. 305 (1886: Callao; Puna Isl.); *Eckm. Auk*, iii. p. 92 (1886: Ventura Co., California); *Seton, t. c.* p. 152 (W. Manitoba); *Scott, t. c.* p. 384 (Tucson, Arizona); *Ferrari-Perez, Proc. U.S. Nat. Mus.* ix. p. 178 (1886: Tlaxcala, Mexico); *Belt, t. c.* p. 628 (Grenada); *Nelson, Rep. Nat. Hist. Coll. Alaska*, p. 117 (1887: Sitka); *Lloyd, Auk*, iv. p. 186 (1887: W. Texas); *Cory, t. c.* p. 317; *Tarns, Proc. U.S. Nat. Mus.* x. p. 163 (1887: N. California, p. 198 (Red Bluff); *Beckh. t. c.* p. 637 (1888: Bexar Co., Texas), p. 653 (San Antonio); *Ridgw. Man. N. Amer. B.* p. 165 (1887); *Seebohm, Geogr. Distr. Charadr.* p. 328 (1888); *Sennett, Auk*, v. p. 110 (1888: Corpus

Christi, Texas); *Merrill, t. c.* p. 145 (Fort Klamath, Oregon); *Everm. t. c.* p. 349 (Indiana); *Cory, B. West Indies*, p. 238 (1889); *Bishop, Auk*, vi. p. 146 (1889: Magdalen Isl.); *Scott, t. c.* p. 157 (Tarpon Springs); *Scl. & Huds. Argent. Orn.* ii. p. 186 (1889); *Feilden, Ibis*, 1889, p. 495 (Barbados, May, Sept. to Nov.); *Palmer, Proc. U.S. Nat. Mus.* xiii. p. 260 (1890: Mingan); *Thomps. t. c.* p. 502 (Manitoba); *Clarke, Auk*, vii. p. 321 (1890: Hudson's Bay); *Oust. Miss. Sci. Cap Horn, Ois.* p. 129 (1891); *Cory, Auk*, viii. p. 47 (1891: Antigua); *Brewster & Chapm. t. c.* p. 137 (Suwanee River); *James, New List Chilian B.* p. 12 (1892); *Berl. & Stolzm. P. Z. S.* 1892, pp. 399, 408 (Peru); *Scott, Auk*, ix. p. 13 (1892: Jamaica), p. 212 (Florida); *Attwater, t. c.* p. 232 (San Antonio, Texas); *Lawrence, t. c.* p. 354 (Gray's Harbour, Washington); *Graham Kerr, Ibis*, 1892, p. 151 (Lower Pilcomayo); *Holland, t. c.* p. 212 (Estancia Espartilla); *Allen, Auk*, x. p. 125 (1893); *Brimley, t. c.* p. 243 (N. Carolina); *Hartert, Ibis*, 1893, p. 334 (Bonaire Isl.); *Field, Auk*, xi. p. 122 (1894: Port Henderson, Jamaica); *Richm. & Knowlton, t. c.* p. 302 (Montana); *Aplin, Ibis*, 1894, p. 209 (Uruguay).

Totanus vociferus, *Vieill. N. Dict. d'Hist. Nat.* vi. p. 401 (1816); *Sabine in Frankl. Journ. Polar Sea*, i. p. 687 (1823); *Swains. Faun. Bor.-Amer., Birds*, p. 389 (1831); *Audub. B. Amer.* 8vo, v. p. 316, pl. 345 (1842); *Giraud, B. Long Isl.* p. 252 (1844); *Lembeye, Av. Cuba*, p. 93 (1850); *Putnam, Proc. Ess. Inst.* i. p. 217 (1856: Essex Co., Mass.); *Brewer, Proc. Bost. Soc. Nat. Hist.* vii. p. 308 (1860); *Trippe, Proc. Ess. Inst.* vi. p. 119 (1871: Minnesota).

Totanus sasashew, *Vieill. N. Dict. d'Hist. Nat.* vi. p. 412 (1816: *ex Forst.*).

Totanus solitarius (*nec Wilson*), *Vieill. N. Dict. d'Hist. Nat.* vi. p. 413 (1816).

Tell-tale or Greater Yellow-shanks, *Nuttall, Man. Orn.* ii. p. 148 (1834).

Gambetta melanoleuca, *Bp. C. R.* xliii. p. 597 (1856); *Baird, B. N. Amer.* p. 731 (1858); *Henry, Proc. Acad. Nat. Sci. Philad.* 1859, p. 108 (Rio Grande, New Mexico); *Scl. & Salv. Ibis*, 1859, p. 229; *Cass. Proc. Acad. Nat. Sci. Philad.* 1860, p. 195 (Carthagena); *Scl. P. Z. S.* 1861, p. 80 (Jamaica); *Coues, Proc. Acad. Nat. Sci. Philad.* 1861, p. 234 (Labrador); *Boardm. Proc. Bost. Soc. Nat. Hist.* ix. p. 129 (1862: Maine); *Verrill, Proc. Ess. Inst.* iii. p. 152 (1862); *Blakist. Ibis*, 1862, p. 9 (Hudson's Bay, Aug. to Oct.), 1863, p. 133 (Fort Charlton, April); *March, Proc. Acad. Nat. Sci. Philad.* 1864, p. 68 (Jamaica); *Allen, Proc. Ess. Inst.* iv. p. 77 (1864: Springfield, Mass.); *McIlwr. op. cit.* v. p. 93 (1866: Hamilton, Canada West); *Dresser, Ibis*, 1866, p. 38 (Texas, June); *Lawr. Ann. Lyc. N. Y.* viii. p. 294 (1866: Sombrero); *Coues, Proc. Acad. Nat. Sci. Philad.* 1866, p. 98 (Arizona); *id. Proc. Ess. Inst.* v. p. 295 (1868: New England); *id. Proc. Bost. Soc. Nat. Hist.* xii. p. 122 (1868: S. Carolina); *Brown, Ibis*, 1868, p. 425 (Vancouver Isl.); *Lawr. Ann. Lyc. N. Y.* ix. p. 141 (1868: San José, Costa Rica); *Dall & Bann. Trans. Chic. Acad.* i. p. 292 (1869: Sitka); *Stevens. U.S. Geol. Surv. Terr.* 1870, p. 466 (Camp Reynolds & Fort Fetterman); *Allen, Bull. Mus. C. Z.* ii. p. 356 (1871: Florida); *Wyatt, Ibis*, 1871, p. 383 (La Cruz, U.S. Colombia); *Coues, Proc. Acad. Nat. Sci. Philad.* 1871, p. 32 (N. Carolina); *Trippe, Proc. Bost. Soc. Nat. Hist.* xv. p. 241 (1872: Iowa); *Allen, Bull. Mus. C. Z.* iii. p. 183 (1872: Eastern Kansas, May; Lake Pass, Colorado; Laramie Plains; Cheyenne, Aug.; Great Salt

Lake, Sept.); *Merriam, U.S. Geol. Surv. Terr.* 1872, p. 700 (N. Fork, Idaho); *Scl. & Salv. Nomencl. Av. Neotr.* p. 145 (1873); *Coues, B. N.-West.* p. 486 (1874: Big Sandy Fork); *Lawr. Mem. Bost. Soc. Nat. Hist.* ii. p. 369 (1874: Colima); *Durnf. Ibis*, 1877, p. 190 (Buenos Ayres); *Merrill, Proc. U.S. Nat. Mus.* i. p. 162 (1878: Fort Brown, Texas); *Lawr. t. c.* pp. 238, 489; *Belding, t. c.* p. 441 (California); *Scl. & Salv. P. Z. S.* 1879, p. 457 (Antioquia); *Sharpe, P. Z. S.* 1881, p. 16 (Talcahuano); *White, P. Z. S.* 1882, p. 628 (Buenos Ayres); *Scl. P. Z. S.* 1886, p. 404 (Tarapacá); *Withington, Ibis*, 1888, p. 472 (Lomas de Zamora).

Totanus chilensis, *Philippi, Arch. f. Nat.* 1857, pt. i. p. 264 (Chili).

Glottis melanoleuca, *Licht. Nomencl. Av. Mus. Berol.* p. 91 (1854: Montevideo); *Scl. P. Z. S.* 1858, p. 461 (Cuenca, Ecuador); *Gundl. J. f. O.* 1862, p. 85 (Cuba).

Agialodes melanoleucus, *Heine & Reichen. Nomencl. Mus. Hein.* p. 327 (1890: Guiana).

Agialodes vociferans, *Heine & Reichen. tom. cit.* p. 327 (Texas).

Adult in winter plumage. Similar to the winter plumage of *Glottis nebularius*, but much more spotted, the feathers of the upper surface notched with black and white on the margins in very marked pattern, especially on the outer aspect of the wing-coverts and secondaries; the tail-feathers much more distinctly barred than in *G. nebularius*, the outer feathers having also interrupted bars of brown on the inner web; the lower throat, fore-neck, and chest very thickly streaked with blackish brown; only the lower rump and upper tail-coverts are white; the yellow legs also distinguish *T. melanoleucus* at all ages.

Adult male in breeding-plumage. Differs from the winter plumage in being much blacker above; the white upper tail-coverts distinctly barred across with black; crown of head blackish, the feathers edged with white; down the centre of the crown a streak of white; lores blackish, surmounted by a broad streak of white; sides of face, throat, and fore-neck white, broadly streaked with black, widening into large arrow-shaped spots and bars on the chest, the breast and sides of the body distinctly banded with black; the under tail-coverts also obsoletely barred with black; under wing-coverts and axillaries white, barred with black, the latter very distinctly; "bill black, tinted with bluish grey at the base; feet bright yellow, claws brownish black; iris dark brown" (*J. J. Audubon*). Total length 11 inches, culmen 2·1, wing 7·3, tail 3, tarsus 2·3.

Adult female in breeding-plumage. Similar to the male, but not quite so plentifully spotted underneath. Total length 12·8 inches, wing 7·85.

Young in winter plumage. Resembles the winter plumage of the adults, but is rather more reddish brown, with the central tail-feathers nearly uniform brown, but the others all strongly barred with blackish on the inner web; the head and back nearly uniform brown, the white edgings and notches on the feathers nearly obsolete; the lower throat, fore-neck, chest, and sides of the body ashy brown, mottled and streaked with dusky, the thighs also somewhat mottled with brown: feet yellow, tinged with olive.

Hab. The whole of America, breeding in the north of the continent and visiting the extreme south of South America in winter.

a. Ad. sk.	Canada (*Bush*).	Tweeddale Coll.
b, *c*. ♂ imm. sk.	Henley Harbour, Aug. 27 (*E. Coues*).	Seebohm Coll.
d. Ad.; *e*, *f*. Juv. sk.	49th Parallel (*G. Dawson*).	N. A. Boundary Comm. [P.].
g. Juv. sk.	New Brunswick, Sept.	Capt. Savile Reid [C.].
h. ♀ juv. sk.	Big Moose Lake, New York, Oct. (*C. H. Merriam*: *Hensh. Coll.*).	Salvin-Godman Coll.
♂ ad. sk.	Woodhul Lake, N. Y., May 18 (*C. H. Merriam*: *Hensh. Coll.*).	Salvin-Godman Coll.
k. ♀ ad. sk.	Locust Grove, N. Y. (*C. H. M.*: *Hensh. Coll.*).	Salvin-Godman Coll.
l. ♀ ad. sk.	Lyons Falls, N. Y., Sept. (*A. J. Dayan*: *Hensh. Coll.*).	Salvin-Godman Coll.
m, *n*. ♀ imm. sk.	Cambridge, Mass., Oct. 21 (*H. W. Henshaw*).	Salvin-Godman Coll.
o. ♀ ad. sk.	Cobb's Island, Virginia, Aug. (*H. W. Henshaw*).	Salvin-Godman Coll.
p. Ad. sk.	Pennsylvania.	Hume Coll.
q. Ad. sk.	Cleveland, Ohio.	Prof. Kirtland [P.].
r. ♂ ad. sk.	Rockford, Ill., Sept.	Seebohm Coll.
s. ♀ imm. sk.	Calumet, Ill., Feb. 13 (*E. W. Nelson*: *Henshaw Coll.*).	Salvin-Godman Coll.
t. ♂ imm. sk.	West side of Vancouver Island.	J. K. Lord, Esq. [P.].
u–*x*. ♂ ♀ ad. et juv. sk.	British Columbia.	J. K. Lord, Esq. [P.]
y. Ad. sk.	Washoe Lake, Nevada, Nov. 6 (*H. W. Henshaw*).	Salvin-Godman Coll.
z. Juv. sk.	Utah, Oct. 14 (*C. Drexler*).	Salvin-Godman Coll.
a'. Imm. sk.	Yellowstone Lake, Aug. 14 (*C. H. Merriam*: *Henshaw Coll.*).	Salvin-Godman Coll.
b'. Ad. sk.	California.	Lord Walsingham [P.].
c'. Ad. sk.	San Francisco.	Seebohm Coll.
d'. ♀ ad. sk.	Rio Medina, Texas, April 10 (*H. E. Dresser*).	Salvin-Godman Coll.
e'–*i'*. ♀ imm. sk.	Corpus Christi, Texas, Oct. to Dec. (*F. B. Armstrong*).	Salvin-Godman Coll.
k', *l'*. Imm. sk.	Hernando Co., Florida, Oct. (*W. R. Dean*).	Salvin-Godman Coll.
m', *n'*. ♂ ♀ ad. sk.	Tarpon Springs, Florida, Jan. (*W. E. D. Scott*).	Salvin-Godman Coll.
o'. ♂ ad. sk.	Atotonilco, Mexico, April 22 (*Ferrari-Perez*).	Salvin-Godman Coll.
p'. Ad. sk.	Santana, Guadalajara, Jalisco, March 13 (*W. Lloyd*).	Salvin-Godman Coll.
q', *r'*. ♂ ♀ ad. sk.	Presidio, Mexico, Jan., Feb. (*A. Forrer*).	Salvin-Godman Coll.
s'. ♂ ad. sk.	Progreso, N. Yucatan, November (*G. F. Gaumer*).	Salvin-Godman Coll.
t'. ♀ ad. sk.	Dueñas, Guatemala, April 11 (*O. S.*).	Salvin-Godman Coll.

u', *v'*. Ad. sk.	Chiapam, Guatemala, Jan. (*O. S.*).	Salvin-Godman Coll.
w'. ♀ ad. sk.	Atitlan, Guatemala, Dec. 16 (*W. B. Richardson*).	Salvin-Godman Coll.
x'. ♀ imm. sk.	San José, Costa Rica, Nov. 1 (*J. Zeledon*).	Salvin-Godman Coll.
y'. ♀ ad. sk.	Momotombo, Nicaragua, May 23 (*W. B. R.*).	Salvin-Godman Coll.
z'. Imm. sk.	Lion Hill, Panama (*J. McLannan*).	Salvin-Godman Coll.
a''. Imm. sk.	Chitra, Veragua (*Arcé*).	Salvin-Godman Coll.
b''. Ad. sk.	Bermuda, Oct.	Capt. Savile Reid [C.].
c''. Ad. sk.	Barbados.	Sir R. Schomburgk [P.].
d''. ♂ ad. sk.	Anegada, W. I., Dec. 24 (*D. W. Smith*).	Salvin-Godman Coll.
e'', *f''*, *g''*. ♂ imm.; *h''*. ♀ imm. sk.	St. Vincent, W. I., Oct. 8 (*D. W. Smith*).	Salvin-Godman Coll.
i'', *k''*. ♂ ♀ ad. sk.	Grenada, Sept., Oct. (*D. W. Smith*).	Salvin-Godman Coll.
l''. ♂ ad. sk.	Union Island, Kev of St. Vincent, Oct. 12 (*D. W. Smith*).	Salvin-Godman Coll.
m''. ♀ imm. sk.	Medellin, U.S. Colombia (*T. K. Salmon*).	Salvin-Godman Coll.
n''. Ad. sk.	Venezuela (*Spence*).	Salvin-Godman Coll.
o''. Imm. sk.	Para.	R. Graham, Esq. [P.].
p''. ♀ ad. sk.	Cajutuba, Brazil (*J. Natterer*).	Salvin-Godman Coll.
q''. ♂ ad. sk.	Pelotas, Rio Grande do Sul (*Joyner*).	Salvin-Godman Coll.
r''. ♀ ad. sk.	Tinta, Peru, Jan. 23 (*H. Whitely*).	Tweeddale Coll.
s''. ♂ ad. sk.	Tinta, Peru (*H. Whitely*).	Seebohm Coll.
t''. Ad. sk.	Punta Lara, Buenos Ayres, June 25.	H. Durnford, Esq. [C.].
u''. ♂ ad. sk.	Lomas de Zamora, June 3 (*Withington*).	Sclater Coll.
v''. Juv. sk.	Chili.	Old Collection.
w''. ♀ ad. sk.	Chili (*E. C. Reed*).	Seebohm Coll.
x''. Ad. sk.	Chili.	T. Bridges, Esq. [C.].
y'', *z''*, *a²*. Ad. et imm. sk.	Central Chili (*Landbeck*).	Berkeley James Coll.
b². ♀ ad. sk.	Santiago, Chili (*Leybold*).	Salvin-Godman Coll.
c². Juv. sk.	Valparaiso.	Sir W. Burnett & Admiral Fitzroy [P.].
d² Juv. st.	Valparaiso.	Sir W. Burnett & Admiral Fitzroy [P.].
e². ♂ ad. sk.	Talcahuano, April (*Dr. Coppinger*).	Voy. H.M.S. 'Alert.'
f², *g²*. Ad. st.	Straits of Magellan.	The Admiralty.
h². Sternum.	Jamaica.	Gosse Coll.

5. Totanus flavipes.

Yellowshanks, *Penn. Arct. Zool.* ii. p. 468 (1785); *Lath. Gen. Syn.* iii. pt. 1, p. 152 (1785).

Scolopax flavipes, *Gm. Syst. Nat.* i. p. 659 (1788); *Lath. Ind. Orn.*

ii. p. 723 (1790); *Wilson, Amer. Orn.* vii. p. 55. pl. 58. fig. 4 (1813).

Chorlito pardo mayor, *Azara, Apunt.* iii. p. 314 (1803).

Totanus flavipes, *Vieill. N. Dict. d'Hist. Nat.* vi. p. 410 (1816); *Sabine in Frankl. Journ. Polar Sea*, i. p. 688 (1823); *Less. Traité d'Orn.* p. 552 (1831); *Swains. Faun. Bor.-Amer., Birds*, p. 395 (1831); *Neuwied, Beitr. Naturg. Bras.* iv. p. 723 (1832); *Audub. Orn. Biogr.* iii. p. 573, pl. 288 (1835); *Bp. Comp. List B. Eur. & N. Amer.* p. 51 (1838); *Audub. Orn. Biogr.* v. p. 586 (1839); *Gould in Darwin's Voy. 'Beagle,' Birds*, p. 129 (1841); *Audub. B. Amer.* 8vo, p. 313, pl. 344 (1842); *Giraud, B. Long Isl.* p. 250 (1844); *Gray, List Grall. Brit. Mus.* p. 100 (1844); *id. Gen. B.* iii. p. 573 (1846); *Gosse, B. Jamaica*, p. 351 (1847); *Hartl. Ind. Azara*, p. 25 (1847); *Cab. in Schomb. Reis. Guian.* iii. p. 757 (1848); *Reichenb. Grall.* tab. lxxv. fig. 582 (1850); *Licht. Nomencl. Av. Mus. Berol.* p. 91 (1854); *Burm. Th. Bras.* iii. p. 369 (1856); *Brewer, Proc. Bost. Soc. Nat. Hist.* vii. p. 308 (1860: Cuba); *Burm. Reise La Plata-St.* ii. p. 503 (1861); *Reinh. Ibis*, 1861, p. 11 (Greenland); *Albrecht, J. f. O.* 1862, p. 205 (Jamaica); *Gray, Cat. Brit. B.* p. 157 (1863); *Schl. Mus. Pays-Bas*, Scolopaces, p. 69 (1864: Haiti; Surinam; Brazil); *Léot. Ois. Trinidad*, p. 452 (1866); *Bryant, Proc. Bost. Soc. Nat. Hist.* xi. p. 69 (1867: Bahamas); *Sundev. Œfv. K. Vet.-Akad. Förh. Stockh.* 1869, p. 588 (St. Bartholomew), p. 602 (Porto Rico); *Gray, Hand-l. B.* iii. p. 45, no. 10274 (1871); *Rodd, Zool.* 1871, p. 2807 (Cornwall); *Pelz. Orn. Bras.* p. 309 (1871: Ypanema; Irisanga, Feb.; Caiçara, Sept.; Barra; Cajutuba); *Harting, Handb. Brit. B.* p. 137 (1872); *Coues, Key N. Amer. B.* p. 259 (1872); *Ridgw. Ann. Lyc. N. Y.* x. p. 384 (1874: Illinois); *Coues, B. N.-West*, p. 497 (1874); *Tacz. P. Z. S.* 1874, p. 560 (Central Peru); *Hensh. Rep. Expl. 100th Merid.* p. 459 (1875); *Reid, Zool.* 1877, p. 478 (Bermudas, autumn migrant); *Coues Bull. U.S. Geol. Surv.* iv. p. 642 (1878: Montana); *Maynard, B. East. N. Amer.* p. 293 (1879); *Scl. & Salv. P. Z. S.* 1879, p. 547 (Medellin, U.S. Colombia); *Cory, B. Bahamas*, p. 162 (1880); *Allen, Bull. Nutt. Orn. Club*, v. p. 169 (1880: S. Lucia); *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 200 (1880); *A. & E. Newt. Handb. Jamaica*, p. 116 (1881); *B. O. U. List Brit. B.* p. 176 (1883); *Saunders, ed. Yarrell's Brit. B.* iii. p. 480 (1884); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 273 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 638 (1884); *Barrows, Auk*, i. p. 315 (1884: Lower Uruguay); *Drew, Auk*, ii. p. 18 (1885: Colorado); *Beckh. t. c.* p. 143 (Puebla, Colorado); *Loomis, t. c.* p. 189 (S. Carolina); *Agersb. t. c.* p. 286 (S.E. Dakota); *Turner, Proc. U.S. Nat. Mus.* viii. p. 247 (1885: Koksoak R., Labrador); *Seebohm, Hist. Brit. B.* iii. p. 136, pl. 32. fig. 8 (1885); *Tacz. Orn. Pérou*, iii. p. 367 (1886: Chorillos; Junin); *Salvin, Ibis*, 1886, p. 180 (Bartica Grove); *A. O. U. Check-list N. Amer. B.* p. 155 (1886); *Turner, Contr. Nat. Hist. Alaska*, p. 189 (1886); *Seton, Auk*, iii. p. 152 (1886: W. Manitoba); *Cory, t. c.* p. 502 (Grand Cayman); *Nelson, Rep. Nat. Hist. Coll. Alaska*, p. 118 (1887: Yukon R.; Kodiak Isl.; Sitka); *Ridgw. Man. N. Amer. B.* p. 166 (1887); *Towns. Auk*, iv. p. 12 (1887: N. Alaska); *Dwight, t. c.* p. 16 (Cape Breton Isl.); *Wells, Proc. U.S. Nat. Mus.* ix. p. 628 (1887: Grenada); *Towns. op. cit.* x. p. 163 (1887: N. California), p. 198 (Humboldt Bay); *Ridgw. t. c.* p. 578 (Swan Isl.); *Beckh. t. c.* p. 637 (Bexar Co., Texas), p. 653 (San Antonio; Matamoras); *Chapm. Auk*, v. p. 270 (1888: Gainsville, Florida); *Everm. t. c.*

p. 349 (Indiana); *Seebohm, Geogr. Distr. Charadr.* p. 364 (1888); *Scott, Auk*, vi. p. 158 (1889: Florida); *Salvin, Ibis*, 1889, p. 379 (Jolbox Isl.); *Feilden, t. c.* p. 490 (Barbados); *Cory, B. West Ind.* p. 238 (1889); *Sel. & Huds. Argent. Orn.* ii. p. 187 (1889); *Saunders, Man. Brit. B.* p. 590 (1889); *Clarke, Auk*, vii. p. 321 (1890: Hudson's Bay); *Cory, t. c.* p. 374 (Anegada); *Ridgw. Proc. U.S. Nat. Mus.* xii. p. 137 (1889: Gregory Bay, Galapagos); *Thomps. op. cit.* xiii. p. 502 (1890: Manitoba); *Cory, Auk*, viii p. 47 (1891: S. Croix), p. 48 (S. Kitts); *Allen, t. c.* p. 104 (Cape Breton Isl., Nova Scotia); *Ridgw. t. c.* p. 337 (Watling's Isl.), p. 338 (Rum Quay); *Cory, t. c.* p. 350 (Eleuthera Isl.); *Bowdich, t. c.* p. 394 (New York); *Oust. Miss. Sci. Cap Horn, Ois.* p. 207 (1891); *Hagerup, B. Greenl.* p. 55 (1891: accidental); *Sel. P. Z. S.* 1891, p. 137 (Tarapacá); *Berl. & Stolzm. P. Z. S.* 1892, pp. 400, 408 (Chorillos, Peru); *Sel. t. c.* p. 500 (Anguilla Isl.); *Cory, Cat. B. West Ind.* p. 93 (1892: Bahamas; Greater and Lesser Antilles); *Graham Kerr, Ibis*, 1892, p. 151 (Lower Pilcomayo); *Holland, t. c.* p. 212 (Estancia Espartilla); *Scott, Auk*, ix. p. 13 (1892: Jamaica); *Cory, t. c.* p. 48 (Maraguana Isl.), p. 49 (Inagua); *Scott, t. c.* p. 212 (Florida); *Attwater, t. c.* p. 232 (San Antonio, Texas); *Mackay, t. c.* p. 389 (N. Carolina); *James, New List Chilian B.* p. 12 (1892); *Hartert, Ibis*, 1893, p. 308 (Aruba Isl.); *Rhoads, Auk*, x. p. 17 (1893: Washington, D.C.); *Allen, t. c.* p. 125; *Wayne, t. c.* p. 337 (Suwanee River); *Richm. Proc. U.S. Nat. Mus.* xvi. p. 526 (1893: Escondido River, Nicaragua); *Field, Auk*, xi. p. 123 (1894: Port Henderson, Jamaica); *Richm. & Knowlton, t. c.* p. 301 (Montana); *Chapm. Bull. Amer. Mus. N. H.* vi. p. 77 (1894: Trinidad).

Totanus natator, *Vieill. N. Dict. d'Hist. Nat.* vi. p. 400 (1816).

Totanus fuscicapillus, *Vieill. N. Dict. d'Hist. Nat.* vi. p. 409 (1816).

Yellow-shanks Tatler, *Nuttall, Man. Orn.* ii. p. 152 (1834).

Totanus stagnatilis (*nec Bechst.*), *Gay, Faun. Chil., Zool.* p. 422 (1847).

Gambetta flavipes, *Bp. C. R.* xliii. p. 597 (1856); *Cass. in Baird's B. N. Amer.* p. 732 (1858); *id. Proc. Acad. Nat. Sci. Philad.* 1860, p. 195 (Carthagena); *Henry, op. cit.* 1859, p. 108 (New Mexico, Aug., Sept.); *Sel. & Salv. Ibis*, 1859, p. 229 (Dueñas); *A. & E. Newton, t. c.* p. 257 (St. Croix); *Lawr. Ann. Lyc. N. Y.* vii. p. 334 (1861: Panama); *Boardm. Proc. Bost. Soc. Nat. Hist.* ix. p. 129 (1862: Maine, spring & autumn); *Verrill, Proc. Ess. Inst.* iii. p. 152 (1862: Umbagog Lakes, Maine); *Blakist. Ibis*, 1862, p. 9 (Saskatchewan Plains), 1863, p. 133 (Mackenzie River); *March, Proc. Acad. Nat. Sci. Philad.* 1864, p. 68 (Jamaica); *Lawr. Ann. Lyc. N. Y.* viii. p. 100 (1864: Sombrero); *Allen, Proc. Ess. Inst.* iv. p. 77 (1864: Springfield, Mass.); *Dresser, Ibis*, 1865, p. 38 (Matamoras, April, May; Galveston Isl., June); *Lawr. Ann. Lyc. N. Y.* viii. p. 294 (1866: New York); *McIlwr. Proc. Ess. Inst.* v. p. 93 (1866: Hamilton, Canada West); *Coues, op. cit.* v. p. 295 (1868: New England); *Brown, Ibis*, 1868, p. 428 (Vancouver Isl.); *Coues, Proc. Bost. Soc. Nat. Hist.* xii. p. 122 (1868: S. Carolina); *Lawr. Ann. Lyc. N. Y.* ix. p. 141 (1868: San Jose, Costa Rica), p. 210 (Yucatan); *Dall & Bann. Trans. Chic. Acad.* i. p. 292 (1869: Nulato; Sitka; Kodiak; Fort Yukon); *Stevens, U.S. Geol. Surv. Terr.* 1870, p. 466 (Wyoming); *Allen, Bull. Mus. C. Z.* ii. p. 353 (1871: Florida); *Coues, Proc. Acad. Nat. Sci. Philad.* 1871, p. 32 (Fort Macon, N. Carolina); *Allen, Bull. Harv. Coll. C. Z.* iii. p. 182 (1872: Lake Pass,

Colorado, Aug.; Ogden, Utah, Sept.); *Trippe, Proc. Bost. Soc. Nat. Hist.* xv. p. 241 (1873: Iowa); *Scl. & Salvin, Nomencl. Av. Neotr.* p. 145 (1873); *iid. P. Z. S.* 1873, p. 310 (Peru); *Lawr. Mem. Bost. Soc. Nat. Hist.* ii. p. 309 (1874: Mazatlan); *id. Bull. U.S. Nat. Mus.* iv. p. 47 (1875: Tehuantepec); *Durnf. Ibis*, 1876, p. 164 (Buenos Ayres), 1877, p. 199, 1878, p. 404 (Patagonia); *Merrill, Proc. U.S. Nat. Mus.* i. p. 162 (1878: Fort Brown, Texas); *Lawr. t. c.* pp. 197, 242, 489 (S. Vincent; Barbuda); *Belding, t. c.* p. 441 (California); *Tacz. & Berl. P. Z. S.* 1885, pp. 119, 124 (Babahoyo); *Scl. P. Z. S.* 1886, p. 404 (Tarapacá).

Totanus leucopyga, *Illiger, Mus. Berol.*; *teste Giebel, Thes. Orn.* iii. p. 645 (1877).

Ægialodes flavipes, *Heine & Reichen. Nomencl. Mus. Hein.* p. 327 (1890).

Adult in winter plumage. General colour above uniform ashy brown, with obsolete white fringes to the feathers; scapulars like the back; lower back and rump black, the feathers edged with white; upper tail-coverts white, the lateral ones with a few irregular bars of black; lesser wing-coverts blackish, fringed with white; median and greater coverts brown, rather broadly edged with white, and sub-marginally barred with black in an interrupted manner; bastard-wing, primary-coverts, and quills blackish, the inner primaries and the secondaries browner, fringed with white; the long inner secondaries like the greater coverts, and sub-marginally spotted with black; tail-feathers white, barred with black, the bars more numerous and distinct on the outer webs, though closer together and more broken on the inner webs, which are mostly white for the basal half, the centre feathers ashy towards the ends, with broad dusky bars; crown of head uniform like the back, or only slightly streaked with blackish; lores dusky blackish, surmounted by a broad streak of white; eyelid white; sides of face and ear-coverts brown, streaked with white; cheeks, throat, and under surface of body white, the throat with hair-like blackish streaks; sides of neck, fore-neck, and chest ashy brown, with whitish vermiculations, or whitish mottled with ashy brown; breast and abdomen pure white, freckled with bars and vermiculations of ashy brown on the sides of body and flanks; thighs and under tail-coverts white, the latter with a few bars of blackish; under wing-coverts white, barred with sub-marginal markings of blackish; axillaries white, with dusky bars, not very perfect, of brown; lower primary-coverts and quills below ashy, the former with whitish bars near the end. Total length 9 inches, culmen 1·45, wing 6·7, tail 2·3, tarsus 2.

Adult female. Similar to the male. Total length 9·5 inches, culmen 1·6, wing 6·5, tail 2·2, tarsus 2·25.

Adult male in breeding-plumage. Differs from the winter plumage in being mottled with black, the centres to the feathers being black; median and greater wing-coverts more or less conspicuously barred and notched with black; centre tail-feathers ashy brown, barred with black, the lateral ones white with less complete blackish bars; head black, streaked with white; under surface of body

white, with blackish streaks on the sides of the face, throat, and breast, the latter broader and more arrow-shaped; the sides of the breast distinctly barred with black; axillaries with only a few blackish bars: "bill black; feet bright yellow; iris dark brown" (*R. Ridgway*). Total length 9 inches, culmen 1·4, wing 6·4, tail 2·45, tarsus 1·9.

Young after first moult. Much more mottled than the winter plumage of the adult, which it otherwise resembles, all the feathers having spots or notches of brownish white on the margins; the throat and chest minutely streaked with ashy brown, and the sides of the breast mottled with larger spots of ashy brown; axillaries almost entirely white, with scarcely any evidences of dusky bars.

Hab. North America, breeding in the cold temperate and subarctic districts of the northern continent; migrating south in winter as far as Buenos Ayres and Chili. Much rarer in the Western than in the Eastern provinces of North America. Accidental in Europe (*Ridgway*).

a, *b*. Ad. et juv. sk.	St. Michael's, Alaska (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
c. Ad. sk.	Fort Reliance, May 7 (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
d. ♀ ad. sk.	Hudson's Bay, May 17.	Gould Coll.
e. Ad. sk.	Hudson's Bay.	Sir G. Back [C.].
f. Ad. sk.	Grand Menan, New Brunswick, Aug. 19 (*H. H. Herrick*: *Hensh Coll.*).	Salvin-Godman Coll.
g. Ad. sk.	New Brunswick (*Bell*).	Seebohm Coll.
h, *i*, *k*. Ad. sk.	Fort Simpson, May.	B. R. Ross, Esq. [P.].
l. Juv. sk.	49th Parallel (*G. Dawson*).	N. A. Bound. Comm.
m. Juv. sk.	Souris River, Dakota, Aug. 10 (*E. Coues*: *Hensh. Coll.*).	Salvin-Godman Coll.
n. Juv. sk.	Chief Mountain, Montana, Aug. 16 (*E. Coues*: *Hensh. Coll.*).	Salvin-Godman Coll.
o, *p* Imm. sk.	Massachusetts (*H. W. Henshaw*).	Salvin-Godman Coll.
q. Juv. sk.	Cornell, Ill., Sept. (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
r, *s*. ♂ ♀ ad. sk.	Rigolets, Louisiana, March, April (*Hensh. Coll.*).	Salvin-Godman Coll.
t. ♀ ad. sk.	San Antonio, Texas, April 23 (*H. E. Dresser*).	Salvin-Godman Coll.
u ♂ ad.; *u'*. ad. ♀ sk.	Brownsville, Texas, March, April (*F. B. Armstrong*).	Salvin-Godman Coll.
v ♂ ad.; *v'*. ♀ ad. sk.	Corpus Christi, Texas, March (*F. B. Armstrong*).	Salvin-Godman Coll.
w, *x*. ♂ ad. sk.	Bermuda, April, May, Sept.	Capt. Savile Reid [C.].
y. Ad. sk.	Mexico.	Seebohm Coll.
z ♂ ad.; *z'*. ♀ ad. sk.	Atotonilco, Huejotzingo, Mexico, April (*Ferrari-Perez*).	Salvin-Godman Coll.

o', *p'*. ♂ ad. sk.	Ixtapalapa, Tlalpam, March (*Ferrari-Perez*).	Salvin-Godman Coll.
q'. ♀ ad. sk.	Chimalpa, Tacubaya, April (*Ferrari-Perez*).	Salvin-Godman Coll.
r'–*v'*. ♂ ♀ ad. sk.	Zacatecas, Aug. (*W. B. Richardson*).	Salvin-Godman Coll.
w', *x'*. Ad. sk.	Cozumel Island, Jan. (*G. F. Gaumer*).	Salvin-Godman Coll.
y'. ♂ ad. sk.	Progreso, N. Yucatan, Oct. (*G. F. Gaumer*).	Salvin-Godman Coll.
z'. Ad. sk.	Guatemala.	Gould Coll.
a''. ♂ ad. sk.	Dueñas, Guatemala, April 12 (*O. S.*).	Salvin-Godman Coll.
b''–*d''*. ♂ ad.; *e.''* ♀ ad. sk.	Momotombo, Nicaragua, May (*W. B. Richardson*).	Salvin-Godman Coll.
f''. Ad. sk.	Panama (*J. McLeannan*).	Salvin-Godman Coll.
g''. ♀ ad. sk.	Panama (*J. McLeannan*).	Seebohm Coll.
h''. Ad. sk.	Barbados.	Sir R. Schomburgk [P.].
i'', *k''*. ♂ ♀ ad.; *l''*–*o''*. Juv. sk.	St. Vincent, W. I., Aug. 1 to Sept. 25 (*D. W. Smith*).	Salvin-Godman Coll.
p'', *q''*. Juv. sk.	Union Island, St. Vincent, Oct. 12 (*D. W. Smith*).	Salvin-Godman Coll.
r''–*y''*. Ad. sk.	Grenada, West Indies, July 10 to Sept. 11 (*D. W. Smith*).	Salvin-Godman Coll.
z'', a^3. ♀ ad. sk.	Anguilla, West Indies, March (*W. R. Elliot*).	West Indian Comm. Roy Soc. [P.].
b^3. Ad. sk.	Jamaica.	Seebohm Coll.
c^3. ♀ ad. sk.	Medellin, U.S. Colombia (*T. K. Salmon*).	Salvin-Godman Coll.
d^3. ♂ ad. sk.	Camacusa, British Guiana, April 25 (*H. Whitely*).	Salvin-Godman Coll.
e^3. Ad. sk.	Ecuador (*C. Buckley*).	Salvin-Godman Coll.
f^3. Ad. sk.	Pasto, Ecuador (*Lehmann*).	Salvin-Godman Coll.
g^3. Ad. sk.	Brazil.	M. Claussen.
h^4. ♀ ad. sk.	Ypanema, Brazil, Sept. (*J. Natterer*).	Salvin-Godman Coll.
i^3. ♀ ad. sk.	Island of Mexiana, Jan. (*A. R. Wallace*).	Salvin-Godman Coll.
k^3. Ad. sk.	Buenos Ayres.	H.Durnford,Esq.[C.].
l^3. Ad. sk.	Chupat, Patagonia, Nov. 27.	H.Durnford,Esq.[C.].
m^3, n^3. ♂ ad. sk.	Chili (*E. C. Reid*).	Seebohm Coll.
o^3. Ad. sk.	Chili (*E. C. Reid*).	Salvin-Godman Coll.
p^3. Ad. sk.	Santiago, Chili (*Leybold*).	Salvin-Godman Coll.
q^3–t^3. Ad. sk.	Central Chili (*Leybold*).	Seebohm Coll.
u^3–w^3. ♂ ad.; x^3–a^4. ♀ ad. sk.	Sacaya, Tarapacá, Chili, Feb., March, April (*Rahmer*).	Berkeley James Coll.
b^4. Skeleton.	Mexico.	Purchased.

48. HELODROMAS.

Type.
Helodromas, *Kaup, Natürl. Syst.* p. 144 (1829) ..... H. ochropus.

Range. Almost cosmopolitan.

Key to the Species.

a. Rump white, in contrast to the back ..... *ochropus*, p. 437.
b. Rump dark like the back ..... *solitarius*, p. 444.

1. Helodromas ochropus.

Green Sandpiper.
Le Becasseau cul-blanc, *Briss. Orn.* v. p. 177, pl. xvi. fig. 1 (1760); *D'Aubent. Pl. Enl.* viii. pl. 843.
Tringa ochropus, *Linn. Syst. Nat.* i. p. 250 (1766); *Gm. Syst. Nat.* i. p. 676 (1788).
Le Bécasseau, *Buff. Hist. Nat. Ois.* vii. p. 534 (1780).
Green Sandpiper, *Lath. Gen. Syn.* iii. pt. 1, p. 170 (1785); *Yarrell, Brit. B.* ii. p. 528 (1843).
Tryngа ochropus, *Pallas, Zoogr. Rosso-Asiat.* ii. p. 192 (1811).
Totanus ochropus, *Temm. Man. d'Orn.* p. 420 (1815); *Vieill. N. Dict. d'Hist. Nat.* vi. p. 397 (1816); *Leach, Syst. Cat. Mamm. &c. Brit. Mus.* p. 30 (1816: Wiltshire); *Temm. Man. d'Orn.* ii. p. 651 (1820); *Boie, Isis*, 1822, p. 560; *Roux, Orn. Prov.* pl. 206 (1825); *Werner, Atlas, Girall.* pl. 25 (1827); *Fleming, Brit. Anim.* p. 103 (1828); *Brehm, Vog. Deutschl.* p. 641 (1831); *Less. Traité d'Orn.* p. 552 (1831); *Swains. Faun. Bor.-Amer., Birds*, p. 302 (1831: Hudson's Bay); *Menetr. Cat. Rais. Cauc.* p. 51 (1832); *Jenyns, Man. Brit. Vertebr.* p. 197 (1835); *Naum. Vog. Deutschl.* viii. p. 59, pl. 197 (1836); *Strickl. P. Z. S.* 1836, p. 101 (Smyrna); *Gould, B. Eur.* iv. pl. 315. fig. 1 (1837); *Bp. Comp. List B. Eur. & N. Amer.* p. 51 (1838); *Keys. & Blas. Wirb. Eur.* pp. lxxiii, 211 (1840); *Nordm. in Demid. Voy. Russ. Mérid.* iii. p. 243 (1840); *Jerd. Madr. Journ.* xii. p. 211 (1840); *Selys-Longch. Faun. Belg.* p. 127 (1842); *Hodgs. Icon. ined. in Brit. Mus., Girall.* pl. 87. no. 744; *id. in Gray's Zool. Misc.* p. 86 (1844); *Mühle, Beitr. Orn. Griechenl.* p. 101 (1844); *Schl. Rev. Crit.* p. xciii (1844); *Gray, List Girall. Brit. Mus.* p. 101 (1844, pt.); *id. Gen. B.* iii. p. 573 (1846); *id. Cat. Mamm. &c. Nepal pres. Hodgs.* p. 139 (1846); *Rupp. Syst. Uebers.* p. 126 (1845); *Thomps. B. Irel.* ii. p. 208 (1850); *Reichenb. Girall.* tab. lxxiv. figs. 585–86 (1850); *Middend. Reis. Sibir., Zool.* p. 215 (1851: Stanovoi Mts., May); *Kjærb. Damm. Fugle*, pl. xxxvi. fig. 6 (1852); *Macgill. Brit. B.* iv. p. 342 (1852); *Schl. Vog. Nederl.* p. 245 (1854); *Licht. Nomencl. Av. Mus. Berol.* p. 92 (1854); *Hewits. Eggs Brit. B.* ii. p. 344, pl. xc. (1856); *Hengl. Syst. Uebers.* p. 62 (1856); *Hartl. Orn. W.-Afr.* p. 234 (1857: Gaboon); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 459 (1859); *Schrenck, Reis. Amurl.* p. 416 (1859); *Sundev. Sv. Fogl.* pl. xli. fig. 1 (1860); *Linderm. Vog. Griechenl.* p. 139 (1860); *Swinh. Ibis*, 1860, p. 66 (Amoy); *Irby, l. c.* p. 80 (Algeciras); *Parys, l. c.* p. 344 (Corfu & Epirus); *Schl. Dier. Nederl. Vogels*, pl. 25. fig. 8 (1861); *Swinh. Ibis*, 1861, p. 343 (Takoo to Pekin); *id. Ibis*, 1862, p. 245 (Foochow); *Gray, Cat. Brit. B.* p. 158 (1863); *Radde, Reis. Sibir., Vog.* p. 380 (1863: Lake Baikal, in summer); *Swinh. Ibis*, 1863, p. 407

(Formosa); *Schl. Mus. Pays-Bas*, Scolopaces, p. 70 (1864: Holland, July: Senaar; Japan); *Wright, Ibis*, 1864, p. 147 (Malta, spring & autumn); *Gould, B. Gt. Brit.* iv. pl. 56 (1865); *Filippi, Viagg. Persia*, p. 351 (1865); *Layard, B. S. Afr.* p. 325 (1867: Colesberg); *Degl. & Gerbe, Orn. Eur.* ii. p. 325 (1867); *Collett, Norges Fugle*, p. 55 (1868); *Borggr. Vogelf. Norddeutschl.* p. 114 (1869); *Doderl. Avif. Sicil.* p. 186 (1869); *Droste, Vogelw. Borkum*, p. 192 (1869); *Stevens. B.Norf.* ii. p. 215 (1870); *Fritsch, Vög. Eur.* tab. 38. fig. 2 (1870); *Wyatt, Ibis*, 1870, p. 17 (Sinai); *Elwes & Buckley, t. c.* p. 332 (Macedonia); *Swinh. t. c.* p. 363 (Hainan); *Finsch, Trans. Z. S.* vii. p. 299 (1870: Zoulla, June; Senafé, April); *Gray, Hand-l. B.* iii. p. 44, no. 10267 (1871); *Gurney, Ibis*, 1871, p. 298 (Algeria); *Saunders, t. c.* p. 387 (Seville, Jan.); *Swinh. P. Z. S.* 1871, p. 406 (China and Formosa); *R. Gray, B. West Scotl.* p. 293 (1871); *Harting, Handb. Brit. B.* p. 47 (1872); *G. C. Taylor, Ibis*, 1872, p. 232 (Crimea); *Shelley, B. Egypt*, p. 258 (1872); *Hume, Str. F.* i. p. 247 (1873: Sind); *Adam, t. c.* p. 396 (Sambhur); *Palmén, Finl. Fogl.* p. 159 (1873); *Tacz. J. f. O.* 1873, p. 102; *Brooke, Ibis*, 1873, p. 338 (Sardinia, April); *Swinh. t. c.* p. 373 (Shanghai, winter); *Severtz. Turkest. Jevotn.* p. 69 (1873); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1161 (1873: N.E. Africa, Aug. to April); *Tacz. J. f. O.* 1874, p. 336 (E. Siberia); *Adam, Str. F.* ii. p. 339 (1874: Sambhur, July); *Irby, Orn. Straits Gibr.* p. 167 (1875: Aug. to June); *Fallon, Ois. Belg.* p. 174 (1875); *Danf. & Harvie-Brown, Ibis*, 1875, p. 421 (Transylvania, spring & autumn); *Swinh. t. c.* p. 453 (Hakodadi); *Hume, Str. F.* iii. p. 183 (1875: Pegu, winter); *Dresser, Ibis*, 1876, p. 412; *id. B. Eur.* viii. p. 135, pl. 564 (1876); *Blanf. East. Persia*, ii. p. 285 (1876: Baluchistan, March; Shiraz, Dec.); *Tacz. Bull. Soc. Zool. France*, i. p. 251 (1876); *Wharton, Ibis*, 1876, p. 27 (Corsica, April); *Sharpe & Bouvier, Bull. Soc. Zool. France*, i. p. 53 (1876: Chinchonxo, March, April); *David & Oust. Ois. Chine*, p. 465 (1877); *Danf. Ibis*, 1878, p. 34 (Asia Minor); *Blakist. & Pryer, t. c.* p. 220 (Yezo); *Prjev. in Rowley's Orn. Misc.* iii. p. 87 (1878: Kansu, Sept.; Ussuri, April); *Brewer, Bull. Nutt. Orn. Club*, iii. p. 49 (1878); *Anders. Zool. Results Exped. West. Yunnan*, p. 679 (1878: Tsitkaw, Feb.; Tapeng, March); *Hume & Davison, Str. F.* vi. p. 462 (1878: Tenasserim); *Butler, Str. F.* vii. p. 187 (1878: E. Narra; Karachi); *Cripps, t. c.* p. 303 (Faridpur); *Hume, t. c.* p. 488 (Calcutta, cold weather); *Bogd. B. Cauc.* p. 158 (1879); *Seebohm, Ibis*, 1879, p. 152 (Egarka, lat. 67° N.); *Hume, Str. F.* viii. p. 113 (1879); *Scully, t. c.* p. 357 (Nepal Valley, winter); *Tiraut, Bull. Comm. Agric. Cochinchine*, (3) i. p. 157 (1879); *Butler, Cat. B. Sind etc.* p. 64 (1879); *id. Cat. B. S. Bomb. Pres* p. 78 (1880); *Legge, B. Ceylon*, p. 862 (1880); *Vidal, Str. F.* ix. p. 86 (1880: S. Konkan); *Bingham, t. c.* p. 197 (Thoungyeen Valley); *Hume, t. c.* p. 259 (Cachar); *Reid, Str. F.* x. p. 70 (1881: Lucknow); *Scully, Ibis*, 1881, p. 589 (Gilgit); *C. Swinh. Ibis*, 1882, p. 122 (Afghanistan, Dec. to May); *Seebohm, t. c.* p. 223 (Astrakhan), p. 381 (Archangel); *Salvin, Cat. Strickl. Coll.* p. 614 (1882); *Davidson, Str. F.* x. p. 321 (1882: Khandeish); *Blakist. & Pryer, B. Japan*, p. 110 (1882); *Booth, Rough Notes*, ii. (1881–87); *Gigl. Iconogr. Avif. Ital.* no. 292; *Seebohm, Ibis*, 1883, p. 30 (Caucasus, breeding); *Severtz. t. c.* p. 74 (Pamir, breeding); *Irby, t. c.* p. 186 (Santander); *Davison, Str. F.* x. p. 414 (1883: Tynaad); *Sharpe, ed. Layard's B. S. Afr.* p. 689 (1884); *Saunders, ed. Yarrell's Brit. B.* iii.

p. 457 (1884); *Seebohm, Ibis*, 1884, p. 267 (Kiukiang, Nov.); *Blakist. Amended List B. Japan*, p. 11 (1884); *Tristr. Faun. & Flor. Palest.* p. 133 (1884); *Boyd. Consp. Av. Imp. Ross.* p. 97 (1884); *Radde, Orn. Cauc.* pp. 45, 433 (1884); *Seebohm, Hist. Brit. B.* iii. p. 126, pl. 30. figs. 1–3 (1885); *Zarudn. Bull. Soc. Mosc.* 1885, p. 329 (Transcaspia); *Swinh. & Barnes, Ibis*, 1885, p. 134 (Mhow, winter); *Pleske, Uebers. Saug. u. Vog. Kola-Halbinsel*, p. 359 (1886); *Nicolski, Faun. Sakhal.* p. 262 (1886); *Verbury, Ibis*, 1886, p. 21 (Aden); *Sharpe, t. c.* p. 167 (Muscat); *Gigl. Arif. Ital.* p. 394 (1886); *A. O. U. Check-list N. Amer. B.* p. 156 (1886); *Tacz. Bull. Soc. Zool. France*, xi. p. 308 (1886); *Tait, Ibis*, 1887, p. 392 (Portugal); *Ridgw. Man. N. Amer. B.* p. 106 (1887); *Harvie-Brown & Buckley, Vertebr. Faun. Caithn.* p. 222 (1887); *Scully, J. A. S. Beng.* lvi. p. 87 (1887); *Terry, Str. F.* x. p. 480 (1887: Palani Hills); *Dorries, J. f. O.* 1888, p. 91 (Askold Isl.); *Koenig, t. c.* p. 282 (Tunis); *Hume, Str. F.* xi. p. 324 (1888: Manipur); *Harvie-Brown & Buckley, Vertebr. Faun. Outer Hebr.* p. 135 (1888); *Seebohm, Geogr. Distr. Charadr.* p. 368 (1888); *Irby, Key List Brit. B.* p. 48 (1888); *Tacz. P. Z. S.* 1888, p. 457 (Corea); *Sharpe, Trans. Linn. Soc., Zool.* (2) pt. 3, p. 89 (1889); *Reichen. Syst. Verz. Vog. Deutschl.* p. 48 (1889); *Guillem. Ibis*, 1889, p. 177 (Cyprus); *Lilford, t. c.* p. 341 (Cyprus, March to May); *Saunders, Man. Brit. B.* p. 595 (1889); *Seebohm, B. Japan. Emp.* p. 325 (1890); *Brusina, Mater. etc. (Orn. Croatica)*, p. 90 (1890); *Gigl. Arif. Ital., 1st Resoc.* p. 597 (1890), *2nd Resoc.* p. 962 (1890), *3rd Resoc.* p. 517 (1891); *W. Evans, Ibis*, 1891, p. 81 (incubation); *Styan, t. c.* pp. 331, 506 (Lower Yangtse); *Sharpe, t. c.* p. 114 (Fao); *Gätke, Vogelw. Helgol.* p. 510 (1891); *Reiser, Vogels. Landesm. Sarajevo*, p. 124 (1891); *Frivaldsky, Aves Hungar.* p. 140 (1891); *Sharpe, Rep. 2nd York. Miss., Aves*, p. 141 (1891); *Macph. Vertebr. Faun. Lakel.* p. 394 (1892); *Seebohm, Ibis*, 1892, p. 24 (Heligoland); *Hartert, t. c.* p. 515 (E. Prussia); *Tacz. Mém. Acad. Imp. Sci. St. Petersb.* (7) xxxix. p. 872 (1893); *Lilford, Col. Fig. Brit. B.* part xxvi. (1893); *Whitaker, Ibis*, 1894, p. 100 (Tamerza, Tunis); *Reichen. Vog. deutsch-Ost-Afr.* p. 42 (1894: L. Alexa, winter); *Irby, Orn. Straits Gibr.* 2nd ed. p. 284 (1895); *Speedt, M. f. deutsch. Schutz.* viii. p. 13 (1895); *id. K. Sv. Vet.-Akad. Handl. Stockh.* xxviii. p. 28 (1895: Cameroons).

Helodromas ochropus, *Kaup, Natürl. Syst.* p. 144 (1829); *Bp. C. R.* xlix. p. 597 (1856); *Gigl. Ibis*, 1865, p. 61 (Pisa); *Lodw. Exped. Nr. Ager., Ost.* ii. p. 324 (1867); *Ball, Str. F.* ii. p. 431 (1874: Chota Nagpore); *B. O. U. List Brit. B.* p. 174 (1883); *Oates, Hand. to Brit. Burm.* ii. p. 400 (1883); *Whitehead, Ibis*, 1885, p. 43 (Cyprus, winter); *Reid, t. c.* p. 253 (Morocco); *Salvad. Fauna Ucc. Ital.* p. 225 (1886); *id. Ann. Mus. Genov.* (2) vi. p. 311 (1888: Shoa, Dec.); *Shelley, Ibis*, 1888, p. 306 (Lake Jipe, Sept.); *St. John, Ibis*, 1889, p. 177 (S. Afghanistan, winter: Khelat, May); *Heine & Reichen. Nomencl. Mus. Hein.* p. 328 (1890).

Totanus terricolus, *Brehm, Vog. Deutschl.* p. 643 (1831).

Totanus rivalis, *Brehm, Isis*, p. 642; *id. Vogelf.* p. 313 (1855).

Totanus immaculatus, *Gray & Hardw. Ill. Ind. Zool.* ii. pl. 5. fig. 1 (1834); *Brehm, Vogelf.* p. 313 (1855).

Totanus macropus, *Cretzschm. Orn. Gaird.* p. 427 (1840).

Actitis ochropus, *Blyth, Cat. B. Mus. As. Soc.* p. 267 (1849: Calcutta); *Jerd. B. Ind.* iii. p. 638 (1864); *Beavan, Ibis*, 1868, p. 395 (Umballa, Oct.); *Godwin-Austen, J. A. S. Beng.* xxxix.

p. 273 (1870); *Blanf. Geol. & Zool. Abyss.* p. 433 (1870); *Hume & Henders. Lahore to Yark.* p. 289 (1873); *Hayes Lloyd, Ibis*, 1873, p. 417 (Kathiawar); *Blyth & Wald. B. Burm.* p. 155 (1875); *Butler, Str. F.* iv. p. 18 (1876: Mt. Aboo district); *Scully, t. c.* p. 188 (Kashgar); *Fairb. t. c.* p. 263 (Ahmednuggur); *Butler, Str. F.* v. p. 233 (1877: Deesa); *Davids. & Wenden, Str. F.* vii. p. 89 (1878: Deccan); *Ball, t. c.* p. 228 (Ganges to Godavery); *Biddulph, Ibis*, 1881, p. 96 (Gilgit, Aug. to May); *Murray, Vertebr. Faun. Sind*, p. 254 (1884); *Macgreg. Str. F.* x. p. 466 (1887: Mysore).

Helodromas leucurus, *Bp. C. R.* xliii. p. 597 (1856).

Rhyacophilus ochropus, *Ridgw. Proc. U. S. Nat. Mus.* iii. p. 200 (1880); *Coues, Check-list N. Amer. B.* p. 103 (1882); *id. Key N. Amer. B.* 2nd ed. p. 639 (1884); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 282 (1884).

Adult male in winter plumage (Lamu: F. J. Jackson). General colour above uniform olive-brown with a slight gloss of bronzy olive; scapulars and wing-coverts like the back, but having a few tiny white spots on the margins; lower back and rump darker, blackish brown with white edges to the feathers; upper tail-coverts pure white; lesser wing-coverts as well as the outer median and outer greater coverts uniform olive-brown; bastard-wing, primary-coverts, and quills blackish brown, the secondaries like the back and freckled with tiny white spots on the edges; tail-feathers white, the centre ones with three black bars on the terminal half, these bars disappearing gradually on the lateral feathers, the outer ones being entirely white; crown of head, hind-neck, and mantle uniform ashy brown; a supra-loral streak of white; lores dusky, surmounted by an indistinct white eyebrow, lined with blackish streaks; sides of face, ear-coverts, and cheeks white, rather broadly streaked with blackish brown; throat white, streaked with brown on the sides; the lower throat, sides of neck, and fore-neck also distinctly streaked with brown: remainder of under surface of body pure white; sides of upper breast brown, slightly mottled with white; under wing-coverts and axillaries blackish, barred very plainly with white; lower primary-coverts and inner lining of quills uniform, with white dots along the inner edge of the secondaries: "bill dusky above, reddish beneath; feet greyish blue, tinged with green; iris dusky" (*J. Macgillivray*). Total length 9 inches, culmen 1·4, wing 5·4, tail 2·2, tarsus 1·3.

Adult male in breeding-plumage. Differs from the winter plumage in being much more variegated, the whole of the back being spotted with white, the spots being arranged in pairs on the edges of the feathers, which are also tipped with a bar or twin spots of white; the whole of the head and neck streaked with white, and the brown streaks on the side of the face, fore-neck, and chest very broad and distinct, the sides of the upper breast being brown, very much mottled with bars of white. Total length 9·3 inches, culmen 1·4, wing 5·4, tail 2·15, tarsus 1·2.

Adult female in breeding-plumage. Does not differ in colour from

the male, but is not quite so strongly marked. Total length 9 inches, culmen 1·5, wing 5·6, tail 2, tarsus 1·3.

Young in autumn plumage. Scarcely differs from the winter plumage of the adult, but, when freshly moulted, it has indistinct margins of ashy bronze on the feathers of the upper surface; the tail-bands are narrower on the centre feathers, while the subterminal band is broader than in the adults.

The change to the summer plumage is apparently effected by a distinct moult, which takes place while the bird is in its winter quarters, and in many instances, especially in the case of the males, the summer plumage is completely assumed before the species leaves for its breeding-place.

Hab. Nearly the whole of the Old World, from the Atlantic to the Pacific, breeding in the North of Europe and Asia, and visiting Africa and India in winter, but not reaching to Australia, though it extends to the Malay Archipelago.

a. Ad. st.	England, December.	
b, *c*. Imm. st.	Kingsbury Reservoir, Middlesex, Aug.	J. E. Harting, Esq.
d, *e*. ♀ ad. et juv. sk.	Kingsbury Reservoir, Middlesex, July, Aug. (*J. E. Harting*).	Seebohm Coll.
f. ♀ ad. sk.	Thetford, Norfolk, Aug. 11, 1858 (*O. Salvin*).	Salvin-Godman Coll.
g. ♀ ad. sk.	Yarmouth, Sept. 6 (*J. E. Harting*).	Seebohm Coll.
h. Juv. st.	Aldeburgh, Suffolk, Sept.	Theodore Fisher, Esq. P.Z.S.
i, *k*. Ad. st.	Epping, near London.	H. Doubleday, Esq. P.Z.S.
l, *m* Juv. sk.	Romney Marsh, Kent, Sept.	Sharpe Coll.
n Imm. st.	Cookham, Berkshire.	Mr. W. Briggs.
o, *p* Ad. et imm. sk.	Wiltshire.	Montagu Coll.
q. Imm. st.	Plympton, Devon (*J. E. H.*).	Harting Coll.
r ♂ ad. sk.	Norway, May 13 (*E. R. Alston*).	Seebohm Coll.
s ♂ ad. sk.	Sweden, Aug. (*H. Meves*).	Seebohm Coll.
t. ♂ juv. sk.	Fogaras, Hungary, Oct. 6 (*C. Csynk*).	Hungarian National Mus. (P.Z.S.).
u. ♂ ad. sk.	Corsica, April 27 (*C. Eggrace Wharton*).	Seebohm Coll.
v. Ad. sk.	Catarroja, Valencia, April 28 (*H. Saunders*).	Tweeddale Coll.
w. Ad. sk.	Morocco (*Olivier*).	Seebohm Coll.
x Ad. sk.	Dakar, Senegal (*L. Laglaize*).	Seebohm Coll.
y Ad. sk.	Angola	Monteiro Coll.
z a. Ad. sk.	St. Helena.	Gould Coll.
b ♂ ad. sk.	Luman, L. Africa.	F. J. Jackson, Esq. P.Z.S.
c. ♂ ad. sk.	Adigrat, Abyssinia, April 14.	W. T. Blanford, Esq. C.M.Z.S.
d. Ad. sk.	Zoulla, Jan. 8 (*W. Jesse*).	Tweeddale Coll.
e Ad. sk.	Bogos-land (*Ecker*).	Seebohm Coll.

f'. Ad. sk.	Egypt.	G. Turnbull, Esq. [P.].
g'. Juv. sk.	Egypt (*G. E. Shelley*).	Seebohm Coll.
h'. ♀ ad. sk.	Gennesareth, Palestine.	Canon Tristram [C.].
i'. Ad. sk.	Xantus, Asia Minor.	Sir C. Fellowes [P.].
k'. ♂ ad. sk.	Zebil Taurus, Feb. 13 (*C. G. Danford*).	Seebohm Coll.
l'. ♀ ad. sk.	Lower Volga, April.	Seebohm Coll.
m'. Ad. sk.	Shiraz, Persia.	Sir O. St. John [C.].
n', *o'*. Ad. sk.	Fao, Persian Gulf, Aug., Sept.	W. D. Cumming, Esq. [P.].
p', *q'*. Ad. sk.	Muscat.	Colonel Miles [P.].
r'–*u'*. Ad. sk.	Yarkand.	Dr. R. B. Sharpe [P.].
v'. ♂ ad. sk.	Kashgar, Jan. 31 (*F. Stoliczka*).	Forsyth Expedition.
w'. Ad. sk.	Gulran Pass, Northern Afghanistan, April.	Dr. Aitchison [C.].
x'. ♂ ad. sk.	Calagan, Baluchistan, March 10.	W. T. Blanford, Esq. [C.].
y'. Ad. sk.	Quetta (*Griffith*).	India Museum.
z'. ♀ ad. sk.	Nal, Kelat, May 2 (*O. T. Duke*).	Hume Coll.
a''. ♀ ad. sk.	Pisheen Valley, Dec. 19.	Sir O. St. John [C.].
b'', *c''*. ♂ ad.; *d''*. ♀ ad. sk.	Candahar, Dec. to Feb.	Colonel Swinhoe [P.].
e'', *f''*. ♂ ad.; ♀ ad. sk.	Candahar, Feb., Sept. (*Sir O. St. John*).	Hume Coll.
g''–*k''*. ♀ ad. sk.	Kushdil Kan, May 2.	Colonel Swinhoe [P.].
l''. Ad. sk.	Pushut (*Griffith*).	India Museum.
m''. ♀ ad. sk.	Roree, Sindh (*F. Day*).	Hume Coll.
n''. Ad. sk.	Ghiznee, Sindh (*Dr. Gould*).	India Museum.
o''. Ad. sk.	Dhorajee, Kattiawar.	Col. Hayes Lloyd [P.].
p''. Ad. sk.	Mount Aboo (*Dr. Newman*).	Hume Coll.
q''. ♂ ad.; *r''*–*w''*. ♀ ad. sk.	Sambhur, July to March (*R. M. Adam*).	Hume Coll.
x'', *y''*. Ad. sk.	Jodhpur, Feb. 8 (*A. O. H.*).	Hume Coll.
z''. ♂ ad. sk.	Delhi, Oct. 7 (*C. T. B.*).	Hume Coll.
*a*³. Ad. sk.	Gurgaon, Jan. 31 (*A. O. H.*).	Hume Coll.
*b*³. Ad. sk.	Gurgaon, Jan. 21 (*W. N. Chill*).	Hume Coll.
*c*³–*g*³. Ad. sk.	Sirsa District, cold season.	Hume Coll.
*h*³. Ad. sk.	Agrore District, March 8.	Hume Coll.
*i*³. ♀ ad. sk.	Rawul Pindee.	Col. Biddulph [C.].
*k*³–*n*³. ♂ ad.; *o*³. ♀ ad. sk.	Gilgit, Jan., April, Aug., Sept.	Col. Biddulph [C.].
*p*³. Ad. sk.	Gilgit, April 23.	Dr. J. Scully [P.].
*q*³. ♀ ad. sk.	Leh, Sept. 10 (*F. Stoliczka*).	2nd Yarkand Exped.
*r*³. ♀ ad. sk.	Tanktze, Sept. 18 (*F. Stoliczka*).	2nd Yarkand Exped.
*s*³. Ad. sk.	Masuri.	Hume Coll.
*t*³. Ad. sk.	Dehra Dhoon.	Hume Coll.
*u*³, *v*³. Ad. sk.	Kumaon (*Strachey*).	India Museum.
*w*³. Ad. sk.	Kumaon Bhabur, March 19 (*Dr. G. King*).	Hume Coll.
*x*³–*a*⁴. Ad. sk.	Etawah, Jan., Sept.	Hume Coll.
*b*⁴. ♂ ad. sk.	Cawnpore, Feb. 21.	Hume Coll.
*c*⁴. Ad. sk.	Futtehgurh, April 20 (*A. Anderson*).	Seebohm Coll.
*d*⁴–*g*⁴. Ad. sk.	Nepal.	Hodgson Coll.

*h*⁴. ♀ ad. sk.	Nepal Valley, Dec. 27 (*J. Scully*).	Hume Coll.
*i*⁴, *k*⁴. Ad. sk.	Native Sikhim, Jan. (*L. Mandelli*).	Hume Coll.
*l*⁴, *m*⁴, *n*⁴. Ad. sk.	Sikhim, March, Nov. (*L. M.*).	Hume Coll.
*o*⁴. ♀ juv. sk.	Lachong Lake, Sikhim, 8000 feet, Sept. 12 (*H. J. Elwes*).	Seebohm Coll.
*p*⁴. Juv. sk.	Darjiling (*Col. Sharpe*).	Seebohm Coll.
*q*⁴, *r*⁴. Ad. sk.	Buxa Doars, Dec., Jan. (*L. M.*).	Hume Coll.
*s*⁴. Ad. sk.	Dibrughur, Dec. (*J. R. Cripps*).	Hume Coll.
*t*⁴. Ad. sk.	Mymensing.	Godwin-Austen Coll.
*u*⁴–*x*⁴. Ad. sk.	North Khasia Hills, Feb. (*A. W. Chennell*).	Tweeddale Coll.
*y*⁴. Ad. sk.	Miri Hills.	Godwin-Austen Coll.
*z*⁴, *a*, *b*⁵, ♂ ad. sk.	Manipur, Feb., March (*A. O. H.*).	Hume Coll.
*c*⁵. ♀ ad. sk.	Sylhet, Jan. 24 (*A. O. H.*).	Hume Coll.
*d*⁵. Imm. sk.	Cachar.	Godwin-Austen Coll.
*e*⁵. ♀ ad. sk.	Cachar, Jan. 15 (*J. Inglis*).	Hume Coll.
*f*⁵. Ad. sk.	Manbhoom, Feb. (*R. C. Beavan*).	Tweeddale Coll.
*g*⁵, *h*⁵. Ad. sk.	Behar.	Hodgson Coll.
*i*⁵, *j*⁵ ad. sk.	Mhow, Oct. 3.	Col. Swinhoe [P.].
*k*⁵, *l*⁵. Ad. sk.	Kamptee.	Dr. R. B. Hinde [P.].
*m*⁵, ♂ ad.; *n*⁵–*q*⁵, ♀ ad. sk.	Khandeish, Dec. to March (*J. Davidson*).	Hume Coll.
*r*⁵, *s*⁵. Ad. sk.	Deccan (*Sykes*).	India Museum.
*t*⁵. Ad. sk.	Matterhan, Nov. (*S. B. Fairbank*).	Hume Coll.
*u*⁵, *v*⁵, *w*. ♀ ad. sk.	Ahmednuggur Distr., Sept., Dec. (*S. B. Fairbank*).	Hume Coll.
*x*⁵, *y*⁵, ♂ ♀ ad. sk.	Nilghiris, April (*W. Davison*).	Hume Coll.
*z*⁵. Ad. sk.	Palani Hills, April 3 (*H. Terry*).	Hume Coll.
*a*⁶. Ad. sk.	Western Province, Ceylon, Jan. 30 (*W. V. Legge*).	Dr. R. B. Sharpe [P.].
*b*⁶. ♂ ad. sk.	Pegu, Oct. 12.	Oates Coll.
*c*⁶, *d*⁶, ♂ ♀ ad. sk.	Pegu, Dec. (*R. G. W. R.*).	Tweeddale Coll.
*e*⁶, *f*⁶. Ad. sk.	Tonghoo.	Tweeddale Coll.
*g*⁶, ♂ ad. sk.	Karen-nee, March 29.	Tweeddale Coll.
*h*⁶. ♂ ad. sk.	Tsitkan, Tajeng R., Feb. 6.	Dr. J. Anderson [C.].
*i*⁶. Ad. sk.	Houngthaw River, Tenasserim, Feb. 11 (*W. Limborg*).	Tweeddale Coll.
*k*⁶, ♂ ad. sk.	Thatone, Dec. 30 (*W. Davison*).	Hume Coll.
*l*⁶, ♂ ad. sk.	Amherst, March (*W. D.*).	Hume Coll.
*m*⁶, ♂ ad. sk.	Yeabew, Dec. 23 (*J. Darling*).	Hume Coll.
*n*⁶, ♂ ad. sk.	Mintwin, Dec. 29 (*W. D.*).	Hume Coll.
*o*⁶, ♂ ad. sk.	Pakchan, Jan. 25 (*W. D.*).	Hume Coll.
*p*⁶. Ad. sk.	Siam (*Finlayson*).	India Museum.
*q*⁶. Ad. sk.	Shanghai, May 12.	Tweeddale Coll.
*r*⁶. Ad. sk.	Kiukiang, Nov. 9.	F. W. Styan, Esq. [P.].
*s*⁶. Ad. sk.	Amoy, Nov. (*R. Swinhoe*).	Hume Coll.
*t*⁶, *u*⁶. Ad. sk.	Amoy, Sept., Feb. (*R. Swinhoe*).	Seebohm Coll.
*v*⁶, *w*⁶. Ad. sk.	Canton.	Tweeddale Coll.

x^6, y^6. Ad. sk.	Canton (*S. Bligh*).	Seebohm Coll.
z^6–e^7. Ad. sk.	Yokohama (*H. Pryer & Snow*).	Seebohm Coll.
f^7, g^7. Ad. sk.	Nagasaki, Nov. 26.	F. Ringer, Esq. [P.].
h^7. Ad. sk.	Fungshan, Formosa, Dec. (*R. Swinhoe*).	Seebohm Coll.
i^7, k^7. ♂ ♀ ad. sk.	Monte Alban, Luzon, March (*A. H. Everett*).	Tweeddale Coll.
l^7. Ad. sk.	Borneo.	Gould Coll.
m^7. Juv. sk.	[Halifax, Nova Scotia.]	Seebohm Coll.
n^7, o^7. Ad. st. & sk.	Hudson's Bay.	Hudson's Bay Co. [P.].
p^7. Skeleton.	England.	Purchased.

2. Helodromas solitarius.

Green Sandpiper, var. β, *Lath. Gen. Syn.* iii. pt. 1, p. 171 (1785: King George's Sound).

Tringa ochropus, var. β, *Lath. Ind. Orn.* ii. p. 730 (1790: N. America).

Chorlito pardo menor, *Azara, Apunt.* iii. p. 315 (1805).

Tringa solitaria, *Wilson, Amer. Orn.* vii. p. 53, pl. 58. fig. 3 (1813).

Totanus chloropygius, *Vieill. N. Dict. d'Hist. Nat.* vi. p. 401 (1816); *Less. Traité d'Orn.* p. 552 (1831); *Wagl. Isis*, 1831, p. 521; *Swains. Faun. Bor.-Amer., Birds*, p. 393 (1831); *Jard. ed. Wilson's Amer. Orn.* iii. p. 344, pl. 58. fig. 3 (1832); *Audub. Orn. Biogr.* iii. p. 576, pl. 289 (1835); *Bp. Comp. List B. Eur. & N. Amer.* p. 51 (1838); *Audub. Orn. Biogr.* v. p. 583 (1839); *Gray, Gen. B.* iii. p. 573 (1846); *Gosse, B. Jamaica*, p. 350 (1847); *Reichenb. Grall.* tab. lxxiv. fig. 584 (1850); *Brewer, Proc. Bost. Soc. Nat. Hist.* vii. p. 308 (1860: Cuba); *Gundl. J. f. O.* 1862, p. 86 (Cuba); *Léot. Ois. Trinid.* p. 450 (1866); *R. Gray, B. West Scotl.* p. 295 (1871); *Gray, Hand-l. B.* iii. p. 44, no. 10269 (1871).

Totanus punctatus, *Vieill. N. Dict. d'Hist. Nat.* vi. p. 411 (1816: Paraguay); *Gray, Gen. B.* iii. p. 573 (1846); *Hartl. Ind. Azara*, p. 25 (1847).

Totanus caligatus, *Licht. Verz. Doubl.* p. 74 (1823); *Burm. Th. Bras.* iii. p. 370 (1856).

Tringa glareola (*nec L.*), *Ord, ed. Wilson's Am. Orn.* vii. p. 57 (1825).

Tringa macroptera, *Spix, Av. Bras.* ii. p. 76, pl. xcii. (1825).

Green-rump Tatler, *Nuttall, Man. Orn.* ii. p. 159 (1834).

Totanus solitarius, *D'Orb. Hist. Nat. Cuba*, p. 238 (1839); *Audub. B. Amer.* 8vo, v. p. 309, pl. 343 (1842); *Gray, List Grall. Brit. Mus.* p. 101 (1844); *Scl. P. Z. S.* 1856, p. 310 (Cordova, Mexico), 1858, p. 461 (Ecuador); *Schl. Mus. Pays-Bas*, Scolopaces, p. 73 (1864); *Scl. & Salv. P. Z. S.* 1867, p. 979 (Pebas, E. Peru), 1868, p. 169 (Venezuela); *Sundev. Œfv. K. Vet.-Akad. Förh. Stockh.* 1869, p. 587 (St. Bartholomew), p. 602 (Porto Rico); *Pelz. Orn. Bras.* pp. 309, 457 (1871); *Harting, Handb. Brit. B.* p. 137 (1872); *Coues, Key N. Amer. B.* p. 259 (1872); *Scl. & Salv. P. Z. S.* 1873, p. 309 (Eastern Peru); *Coues, B. N.-West*, p. 498 (1874); *Tacz. P. Z. S.* 1874, p. 560; *Hensh. Rep. Zool. 100th Merid.* p. 459 (1875); *Reid, Zool.* 1877, p. 478 (Bermudas, migrant); *Ernst, Estud. Flor. y Faun. Venezuela*, p. 312 (1877); *Coues, Bull. U.S. Geol. Surv.* iv. p. 643 (1878: Montana, July, Aug.); *Maynard, B. East. N. Amer.* p. 292 (1879); *A. & E. Newton, Handb. Jamaica*, p. 116 (1881); *B. O. U. List Brit. B.* p. 175 (1883); *Seebohm, Hist. Brit. B.* iii. p. 130 (1885); *A. O.*

U. Check-list N. Amer. B. p. 156 (1886); *Tacz. Orn. Pérou*, iii. p. 368 (1886: Chorillos, Tumbez); *Turner, Contr. Nat. Hist. Alaska*, p. 189 (1886); *Seton, Auk*, iii. p. 152 (1886: Manitoba); *Fox, t. c.* p. 320 (Roane Co., Tennessee); *Scott, t. c.* p. 386 (Tucson, Arizona); *Towns. Proc. U.S. Nat. Mus.* x. pp. 198, 235 (1887: Mt. Shasta, California); *Cooper, Auk*, iv. p. 91 (1887: Ventura Co., California); *Langdon, t. c.* p. 120 (Tennessee); *Lloyd, t. c.* p. 186 (West Texas); *Sennett, t. c.* p. 241 (N. Carolina); *Cory, t. c.* p. 318 (West Indies); *Beckham, Proc. U.S. Nat. Mus.* x. pp. 637, 653 (1887: Bexar Co. & San Antonio, Texas); *Nelson, Rep. Nat. Hist. Col. Alaska*, p. 118 (1887: Anvik and Nulato, Lower Yukon); *Berl. J. f. O.* 1887, p. 37 (Pilcomayo, Dec.); *Ridgw. Man. N. Amer. B.* p. 106 (1887); *Seebohm, Geogr. Distr. Charadr.* p. 367 (1888); *Merrill, Auk*, v. p. 144 (1888: Fort Klamath, Oregon); *Chapm. t. c.* p. 270 (Gainsville, Florida); *Exerm. t. c.* p. 349 (Indiana); *Brittain & Cox, Auk*, vi. p. 117 (1889: Restigouche Valley); *Scott, t. c.* p. 158 (Tarpon Springs, Florida); *Salvin, Ibis*, 1889, p. 379 (Ruatan Isl.); *Berl. J. f. O.* 1889, p. 321 (Sarayacu and Ucayali R.); *Cory, B. West Ind.* p. 239 (1889); *Thomps. Proc. U.S. Nat. Mus.* xii. p. 503 (1890: Manitoba); *C. H. Merriam, N. Amer. Fauna*, no. 3, p. 88 (1890: California); *Hagerup, B. Greenl.* p. 55 (1891: Kangek, 64° N. lat.); *Cory, Auk*, viii. p. 48 (1891: Guadeloupe); *Brewster & Chapm. t. c.* p. 137 (Suwanee R.); *Todd, t. c.* p. 236 (West Pennsylvania); *Scott, Auk*, ix. p. 13 (1892: Jamaica), p. 212 (Florida); *Attwater, t. c.* p. 232 (San Antonio, Texas); *Cherrie, t. c.* p. 329 (Costa Rica); *C. H. Merriam, N. Amer. Faun.* no. 5, p. 92 (1892: Idaho); *Berl. & Stolzm. P. Z. S.* 1892, pp. 400, 408 (Chorillos, Peru); *Cory, Cat. B. West Ind.* p. 93 (1892: Greater and Lesser Antilles); *Allen, Auk*, x. p. 125 (1893); *White, t. c.* p. 223 (Mackinac Isl.); *Richm. Proc. U.S. Nat. Mus.* xvi. p. 526 (1893: Nicaragua and Costa Rica); *Lifford, Cat. Fig. Brit. B.* pt. xxvi. (1893), *Chapm. Bull. Amer. Mus. N. H.* vi. p. 77 (1894: Trinidad).

Totanus macropterus, *Gould, in Darwin's Voy. 'Beagle,' Birds*, p. 120 (1841).

Rhyacophilus chloropygius, *Ep. C. R.* xlvi. p. 507 (1858).

Rhyacophilus calcaratus, *Ep. t. c.* p. 507.

Rhyacophilus solitarius, *Scl. & Salv. Ibis*, 1859, p. 220 (Guatemala); *A. & E. Newton, t. c.* p. 257 (St. Croix); *Henry, Pr. Acad. Nat. Sci. Philad.* 1859, p. 108 (Rio Grande, New Mexico); *Baird, B. N. Amer.* p. 733 (1860); *Scl. P. Z. S.* 1860, p. 254 (Orizaba), 1861, p. 80 (Jamaica); *Lawr. Ann. Lyc. N. Y.* viii. p. 334 (1864: Panama); *Bocalm. Pr. Zool. Soc. Nat. Hist.* ix. p. 120 (1862: Mazatlan, breeding); *Verrill, Proc. Ess. Inst.* iii. p. 152 (1862: Maine); *Allen, Pr. U. S. N. M.* 1862, p. 205 (Cuba); *Blakist. Ibis*, 1862, p. 9 (Lakes of Saskatchewan, May), 1863, p. 133 (Mackenzie R.); *March, Pr. Acad. Nat. Sci. Philad.* 1864, p. 67 (Jamaica); *Allen, Proc. Ess. Inst.* iv. p. 77 (1864: Springfield, Mass.); *Scl. P. Z. S.* 1864, p. 178 (City of Mexico); *Dresser, Ibis*, 1865, p. 38 (Matamoras, Aug. & April); *Scl. & Salv. P. Z. S.* 1865, p. 130 (Nauta, East Peru); *Lawr. Ann. Lyc. N. Y.* viii. p. 294 (1866: Sombrero); *Coues, Proc. Acad. Nat. Sci. Philad.* 1866, p. 98 (Fort Whipple, Arizona); *Scl. P. Z. S.* 1867, p. 582 (Mexiana); *Coues, Proc. Ess. Inst.* v. p. 295 (1868: New England); *id. Proc. Bost. Soc. Nat. Hist.* xii. p. 123 (1868: S. Carolina); *Lawr. Ann. Lyc. N. Y.* ix. p. 141 (1869: Costa Rica); *Scl. &*

Salv. P. Z. S. 1869, p. 598 (Tinta, Peru); *Dall & Bann. Trans. Chic. Acad.* i. p. 292 (1869: Nulato, May); *Stevens, U.S. Geol. Surv. Terr.* 1870, p. 466 (Wyoming); *Coues, Proc. Acad. Nat. Sci. Philad.* 1871, p. 32 (N. Carolina); *Maynard, Proc. Bost. Soc. Nat. Hist.* xiv. p. 383 (1871: New Hampshire); *Trippe, op. cit.* xv. p. 241 (1872: Iowa, breeding); *Allen, Bull. Mus. C. Z.* iii. p. 182 (1872: Kansas; Colorado; Wyoming, Aug.); *Scl. & Salv. Nomencl. Av. Neotr.* p. 146 (1873); *Lawr. Mem. Bost. Soc. Nat. Hist.* ii. p. 309 (1874: Mazatlan); *Gundl. J. f. O.* 1874, p. 313 (Porto Rico), 1875, p. 324 (Cuba); *Lawr. Bull. U.S. Nat. Mus.* iv. p. 47 (1876: Tehuantepec City, Oct. to April); *Durnf. Ibis*, 1878, p. 68 (Buenos Ayres, Oct. to March); *Lawr. Proc. U.S. Nat. Mus.* i. p. 238 (1878: Antigua), p. 242 (Barbuda), p. 461 (Guadeloupe); *Scl. & Salv. P. Z. S.* 1879, p. 547 (Medellin, U.S. Colombia); *Allen, Bull. Nutt. Orn. Club*, v. p. 169 (1880: Santa Lucia); *Salvin & Godman, Ibis*, 1880, p. 178 (Santa Marta, Dec.); *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 200 (1880); *Stearns, Proc. U.S. Nat. Mus.* vi. p. 119 (1883: Labrador); *Barrows, Auk*, i. p. 315 (1884; Lower Uruguay); *Coues, Key N. Amer. B.* 2nd ed. p. 639 (1884); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 278 (1884); *Drew, Auk*, ii. p. 18 (1885: Colorado); *Turner, Proc. U.S. Nat. Mus.* viii. p. 247 (1885: Fort Chimo, Labrador); *Scl. & Huds. Argent. Orn.* ii. p. 188 (1889); *Feilden, Ibis*, 1889, p. 496 (Barbados); *Holland, Ibis*, 1891, p. 20; *Graham Kerr, Ibis*, 1892, p. 151 (Lower Pilcomayo); *Holland, t. c.* p. 212 (Estancia Espartilla); *Aplin, Ibis*, 1894, p. 209 (Uruguay).

Totanus chloropus, var. solitarius, *Ridgw. Ann. Lyc. N.Y.* x. p. 384 (1874: Illinois).

Adult male in breeding-plumage. Similar to *H. ochropus*, but smaller and wanting the white rump of the latter species; the rump as well as the mesial upper tail-coverts dusky blackish; the lateral upper tail-coverts white broadly barred with black, exactly like the tail-feathers, all of which have broad black bars; under surface of body resembling *H. ochropus*, but the white bars on the axillaries and under wing-coverts much wider than in that species: "bill greenish black; the edges of the eyelids dark grey; feet greenish grey, claws brownish black; iris brown" (*J. J. Audubon*). Total length 7 inches, culmen 1·2, wing 5·1, tail 2·1, tarsus 1·15.

Adult female in summer plumage. Does not differ from the male in colour. Total length 7·5 inches, culmen 1·2, wing 5·2, tail 2, tarsus 1·1.

Adult in winter plumage. Differs from the winter plumage of *H. ochropus* exactly in the same way as the summer plumage of the two birds differs. From the summer plumage described above it is distinguished by being more uniform above with scarcely any white spots, the head uniform and not streaked with white; eyelid and a supra-loral streak white; lower throat, fore-neck, and sides of neck ashy brown, slightly mottled with darker brown spots or bars.

Young after first moult. Similar to the winter plumage of the adults, but all the margins of the feathers of the back and wings are notched or spotted with light rufous brown; under surface of body pure white, the lower throat streaked with brown, and the sides of the fore-neck and of the breast nearly uniform dark brown.

Hab. North America, breeding in the North and visiting South America in winter. Accidental in Europe.

a. ♀ ad. sk.	Nulato, Alaska (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
b. ♂ ad. sk.	Fort Simpson.	B. R. Ross, Esq. [P.].
c. Ad. sk.	Repulse Bay.	Dr. Rae [P.].
d, e, f. Juv. sk.	49th Parallel, Aug. (*G. Dawson*).	N. A. Bound. Comm. [P.].
g. Ad. sk.	Canada.	Tweeddale Coll.
h. Ad. sk.	New Brunswick, Sept.	Capt. Savile Reid [P.].
i, k. Ad. sk.	New Jersey.	Hume Coll.
l. ♀ ad. sk.	Lyons Falls, New York, Aug. (*A. J. Dayan*: *Hensh. Coll.*).	Salvin-Godman Coll.
m. ♀ ad. sk.	Adirondack Mts., New York, June 10 (*C. H. M.*: *Hensh. Coll.*).	Salvin-Godman Coll.
n. ♂ ad. sk.	Greig, Lewis Co., N. Y., Aug. 18 (*C. H. Merriam*: *Hensh. Coll.*).	Salvin-Godman Coll.
o. ♀ ad. sk.	New Haven, Conn., May 17 (*C. H. M.*: *Hensh. Coll.*).	Salvin-Godman Coll.
p. ♀ ad. sk.	Concord, Mass., Oct. 3 (*H. W. H.*).	Salvin-Godman Coll.
q, r. ♂ ♀ ad. sk.	District Columbia, May 10 (*E. Coues*).	Salvin-Godman Coll.
s, t. ♂ ♀ ad. sk.	Washington, D.C., April, May (*H. W. H.*).	Salvin-Godman Coll.
u. ♂ ad. sk.	Waukegan, Ill., May 6 (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
v. Ad. sk.	Rockport, Ohio.	Professor Kirtland [P.].
w. ♂ juv. sk.	Virginia Beach, Sept.	Seebohm Coll.
x. ♀ ad. sk.	Rigolets, Louisiana, April (*H. W. H.*).	Salvin-Godman Coll.
y, z. Juv. sk.	White Mountains, Arizona, Aug. 10 (*H. W. H.*).	Salvin-Godman Coll.
a'. Ad. sk.	Melbourne, Florida, Sept. 17 (*W. Hoxie*: *Hensh. Coll.*).	Salvin-Godman Coll.
b', c', d'. ♂ ad. sk.	Corpus Christi, Texas, Oct. (*F. B. Armstrong*).	Salvin-Godman Coll.
e'. ♂ ad. sk.	Hidalgo, Texas, April (*F. B. Armstrong*).	Salvin-Godman Coll.
f', g'. ♀ ad. sk.	Brownsville, Texas, March (*F. B. Armstrong*).	Salvin-Godman Coll.
h'. ♂ ad. sk.	San Antonio, April 10 (*H. E. Dresser*).	Salvin-Godman Coll.
i', k'. Ad. sk.	Bermuda, April, Oct.	Capt. Savile Reid [P.].
l'. ♂ juv. sk.	Puebla, Mexico, Aug. 25 (*Ferrari-Perez*).	Salvin-Godman Coll.
m'. Juv. sk.	Coajimalpa, Tacubaya, April 22 (*Ferrari-Perez*).	Salvin-Godman Coll.
n', o'. ♂ ad. sk.	Playa Vicente, Vera Cruz, Dec. (*M. Trujillo*).	Salvin-Godman Coll.

p'. ♂ ad. sk.	Aguas Calientes, Aug. (*W. B. Richardson*).	Salvin-Godman Coll.
q'. ♀ ad. sk.	Sierra San Domingo, Tehuantepec, April 15 (*W. B. Richardson*).	Salvin-Godman Coll.
r'. ♂ ad. sk.	Las Vigas, Jalapa, Aug. (*Ferrari-Perez*).	Salvin-Godman Coll.
s'. ♀ ad. sk.	Sierra San Domingo, Tehuantepec, April 15 (*W. B. Richardson*).	Salvin-Godman Coll.
t'. Ad. sk.	Northern Yucatan (*G. F. Gaumer*).	Salvin-Godman Coll.
u'. ♂ ad. sk.	Tabi, Yucatan, Feb. (*F. D. G.*).	Salvin-Godman Coll.
v'. Ad. sk.	Jolbox Island, Dec. (*G. F. Gaumer*).	Salvin-Godman Coll.
w'. Ad. sk.	Ruatan Island (*G. F. Gaumer*).	Salvin-Godman Coll.
x'. ♂ ad. sk.	Moneague, Jamaica, Aug. (*O. S.*).	Salvin-Godman Coll.
y'. Ad. sk.	Barbados.	Sir R. Schomburgk [P.].
z'–b''. ♂; *c'*, *d''*. ♀ ad. sk.	S. Vincent, W. I., Aug. 29 (*D. W. Smith*).	Salvin-Godman Coll.
e''. Ad. sk.	British Honduras (*F. Blancaneaux*).	Salvin-Godman Coll.
f''. ♂ ad.; *g''*, *k''*. ♀ ad. sk.	Dueñas, Guatemala, Sept. (*O. S.*).	Salvin-Godman Coll.
i'', *k''*. Ad. sk.	San José, Costa Rica (*J. Carmiol*).	Salvin-Godman Coll.
l''. ♂ ad. sk.	Volcan de Chiriqui, Panama (*E. Arcé*).	Salvin-Godman Coll.
m''. ♀ ad. sk.	Castillo, Veragua (*E. Arcé*).	Salvin-Godman Coll.
n'', *o''*. ♂ ad.; *p''*. ♀ ad. sk.	Lion Hill, Panama (*J. McLeannan*).	Salvin-Godman Coll.
q''. Ad. sk.	Santa Marta, U.S. Colombia, Dec. (*F. A. A. Simons*).	Salvin-Godman Coll.
r''. ♂ ad. sk.	Medellin, U.S. Colombia (*T. K. Salmon*).	Salvin-Godman Coll.
s''. Ad. sk.	Sarayacu, Ecuador (*C. Buckley*).	Salvin-Godman Coll.
t''. Ad. sk.	Cayenne (*Jelski*).	Seebohm Coll.
u''. Ad. sk.	Maroni River, Surinam (*Kapler*).	Salvin-Godman Coll.
v''. ♂ ad. sk.	Bartica Grove, British Guiana, Sept. 18 (*H. Whitely*).	Salvin-Godman Coll.
w''. ♀ ad. sk.	R. Carimang, March 28 (*H. W.*).	Salvin-Godman Coll.
x''. ♂ ad. sk.	R. Rupurumi, May 6 (*H. W.*).	Salvin-Godman Coll.
y''. Ad. sk.	Para.	R. Graham, Esq. [P.].
z''. ♀ ad. sk.	Para, Aug. 4 (*E. L. Layard*).	Tweeddale Coll.
a^3. Juv. sk.	Island of Mexiana (*A. R. Wallace*).	Salvin-Godman Coll.
b^3. ♂ ad. sk.	Pebas, E. Peru, April 2 (*J. Haurwell*).	Salvin-Godman Coll.

c^2, d^2. ♂ ♀ ad. sk.	Chamicuros, Peruvian Amazons, Sept., Oct. (*E. Bartlett*).	Seebohm Coll.
e^2. ♂ ad. sk.	Cosnipata, Peru, Oct. 6 (*H. Whitely*).	Tweeddale Coll.
f^1, g^1. Ad. sk.	Pernambuco, Brazil (*W. A. Forbes*).	Salvin-Godman Coll.
h^1, i^1. Ad. sk.	Bahia.	Purchased.
k^1. ♀ ad. sk.	Chapada, Matto Grosso, Nov. 24 (*Mrs. H. H. Smith*).	Salvin-Godman Coll.
l^1. ♀ ad. sk.	Campana, Buenos Ayres, Dec. 30.	H. Durnford, Esq. [C.].

49. HETERACTITIS.

	Type.
Heteroscelus, *Baird, B. N. Amer.* p. 734 (1858, *nec Lath.*) .	H. incanus.
Heteractitis, *Stejn. Auk*, i. p. 238 (1884: *nom. emend.*) ..	H. incanus.

Range. From N.W. America and Eastern Siberia south to Japan and China, the Malayan Archipelago and Australia, as well as throughout the islands of the Pacific, to the Sandwich Islands and the Galapagos.

Key to the Species *.

a. Nasal groove not reaching much beyond the half of the upper mandible and falling short of the tip by 0·7 inch; tarsus plated behind; centre of breast and abdomen white in summer plumage, and not barred .... *brevipes*, p. 449.

b. Nasal groove reaching to within the terminal third of the upper mandible and falling short of the tip by no more than 0·5 inch; tarsus reticulated behind, seldom with plates; centre of breast and abdomen thickly barred with dusky grey like the rest of the under surface ..... *incanus*, p. 453.

1. Heteractitis brevipes.

Tringa glareola (*nec Linn.*), *Pall. Zoogr. Rosso-Asiat.* ii. p. 194, tab. lx. (1811, pt.).

Totanus brevipes, *Vieill. N. Dict. d'Hist. Nat.* vi. p. 410 (1816); *Gray, Gen. B.* iii. p. 573 (1846); *Pucher. Rev. et Mag. de Zool.*

* Although the difference in the extent of the nasal groove appears at first sight to be structural, and therefore of generic importance, I have found the utmost difficulty in separating the two species, as there is great variation in the character of the nasal groove, and it is by no means always of the same length. The same may be said of the scaling on the tarsus, for, whereas most of the specimens of *H. incanus* have the hinder side reticulated, some few individuals have it partly scaled and partly reticulated. As the two forms are found together in some of their summer (Bering Island; Bonin Islands), and again in some of their winter haunts (Australia), it may be that they interbreed, which would account for the inconstancy of their characters.

1851, pp. 370, 570 (Timor); *Cassin in Perry's Exped. Japan*, ii. p. 229 (1857); *Cass. Proc. Acad. Nat. Sci. Philad.* 1862, p. 321 (Bonin Isl.; Liu Kiu Isl.); *Swinh. P. Z. S.* 1863, p. 312; *id. Ibis*, 1863, p. 407 (Formosa, Aug.), p. 444 (Japan); *id. Ibis*, 1867, p. 390 (Amoy); *Gray, Hand-l. B.* iii. p. 45, no. 10271 (1871); *Swinh. Ibis*, 1874, p. 163 (Hakodadi); *Ramsay, Proc. Linn. Soc. N. S. W.* i. p. 375 (1877: Duke of York Isl.); *Casteln. & Ramsay, t. c.* p. 384 (Gulf of Carpentaria); *Sharpe, Journ. Linn. Soc.* xiii. p. 504 (1877: S.E. New Guinea); *Ramsay, Proc. Linn. Soc. N. S. W.* vii. p. 41 (1883: San Christoval); *Seebohm, Ibis*, 1887, p. 180 (Liu Kiu Isl.); *Sharpe, Ibis*, 1888, p. 203 (Palawan); *Everett, P. Z. S.* 1889, p. 225; *id. Journ. Straits Branch As. Soc.* 1889, p. 208; *Whitehead, Ibis*, 1890, p. 59 (Palawan, Sept.); *Sharpe, t. c.* pp. 144, 285 (Labuan, Jan.).

Totanus pedestris, pt., *Lesson, Traité*, p. 552 (1831).

Totanus pulverulentus, *Müll. Verh. nat. Gesch. Land- en Volkenk.* p. 152 (1839-44); *Gray, Gen. B.* iii. p. 573 (1846); *Temm. & Schl. Faun. Japon., Aves*, p. 109, pl. 65 (1850); *Reichenb. Grallæ*, tab. cccxviii. figs. 2560-61 (1850); *Midd. Reis. Sibir.* p. 214 (1851); *Swinh. Ibis*, 1860, pp. 132, 359 (Amoy), 1861, p. 343 (Takow—Pekin), 1862, p. 254 (Foochow); *Radde, Reis. Sibir., Vög.* p. 326 (1863: Lake Baikal); *Whitely, Ibis*, 1867, p. 205 (Hakodadi); *Meyer, J. f. O.* 1873, p. 405 (Celebes); *id. Ibis*, 1879, p. 143 (Menado, March).

Totanus griseopygius, *Gould, P. Z. S.* 1848, p. 39 (Port Essington); *id. B. Austr.* vi. pl. 38 (1848); *Reichenb. Vög. Neuholl.* p. 194 (1850); *Gray, P. Z. S.* 1858, p. 197 (N. Australia); *id. Cat. Mamm. etc. New Guinea*, p. 62 (1859: Cape York); *id. P. Z. S.* 1860, p. 364 (Batchian); *Krefft, Ibis*, 1862, p. 191 (Brampton Shoals); *Rosenb. J. f. O.* 1864, p. 137.

Actitis brevipes, *Blyth, Cat. B. Mus. A. S. Beng.* p. 267 (1849: Australia).

Actitis pulverulentus, *Dyb. & Parvex, J. f. O.* 1868, p. 337 (Darasun); *Tacz. Bull. Soc. Zool. France*, i. p. 250 (1876), vii. p. 397 (1882); *Dyb. & Tacz. op. cit.* ix. p. 54 (1884).

Gambetta pulverulentus, *Bp. C. R.* xliii. p. 597 (1856).

Gambetta griseopyga, *Bp. t. c.* p. 597 (1856).

Gambetta brevipes, *Bp. t. c.* p. 597 (1856).

Totanus incanus (*nec Gm.*), *Schl. Mus. Pays-Bas*, Scolopaces, p. 74 (1864: Japan; China; Borneo; Moluccas); *Swinh. P. Z. S.* 1871, p. 406 (Chinese and Formosan coast in winter); *id. Ibis*, 1874, p. 163 (Hakodadi); *Salvad. Ucc. Born.* p. 329 (1874); *id. Ann. Mus. Genov.* ix. p. 63 (1876); *Scl. P. Z. S.* 1877, p. 113 (Duke of York Isl.); *Tweedd. t. c.* p. 550 (Malanipa); *Scl. t. c.* p. 557 (Admiralty Isl.); *Tweedd. t. c.* p. 769 (Cebu); *David & Oust. Ois. Chine*, p. 466 (1877); *Ramsay, Proc. Linn. Soc. N. S. W.* ii. p. 197 (1878); *W. A. Forbes, P. Z. S.* 1878, p. 127 (Wednesday Isl.); *Tweedd. t. c.* p. 345 (S. Leyte), p. 711 (S. Bohol); *Blakist. & Fryer, Ibis*, 1878, p. 220 (Japan); *Rosenb. Malay Arch.* pp. 324 (1878–79: Ceram), 373 (Goram; Ké Isl.), 407 (Ternate), 563 (New Guinea); *Scl. P. Z. S.* 1879, p. 447 (Duke of York Isl.); *Sharpe, t. c.* p. 351 (Labuan); *Tweedd. Voy. H.M.S. 'Challenger,' Zool.* ii. p. 24 (1881); *Scl. t. c.* p. 23; *W. A. Forbes, t. c.* p. 92; *Salvad. Orn. Papuasia*, iii. p. 320 (1882); *Scl. P. Z. S.* 1883, pp. 52, 200 (Timor Laut); *Jouy, Proc. U.S. Nat. Mus.* vi. p. 317 (1883); *H. O. Forbes, P. Z. S.* 1884, p. 433; *Blakiston, Amended List B. Japan*, p. 11 (1884); *Sharpe, Rep. Zool. Coll. 'Alert,'* p. 27 (1884:

West Isl.); *Meyer, Sitz. u. Abhandl. Ges. Isis*, 1884, Abth. i. p. 55 (Siao); *Guillem. P. Z. S.* 1885, p. 477 (Usukan Bay, N. Borneo), p. 665 (Waigiou); *Ramsay, Tab. List Austr. B.* p. 20 (1888: Gulf of Carpentaria; Cape York; Rockingham Bay; Port Denison; Wide Bay district; Richmond and Clarence River district; N. S. Wales); *Vorderm. Nat. Tijdschr. Nederl. Ind.* xlix. p. 416 (1889: Sumatra); *North, Proc. Linn. Soc. N. S. W.* (2) iii. p. 1778 (1889: Cumberland, N. S. W.); *Seeb. Ibis*, 1890, p. 104 (Bonin Isl.); *id. B. Japan. Emp.* p. 323 (1890); *Styan, Ibis*, 1891, pp. 331, 507 (Lower Yangtze); *De La Touche, Ibis*, 1892, p. 500 (Foochow; Swatow); *Tristr. Ibis*, 1894, p. 31 (Santa Cruz Isl., Solomons).

Gambetta pulverulentus, *Gould, Handb. B. Austr.* ii. p. 208 (1865: Port Essington); *Ramsay, Proc. Linn. Soc. N. S. W.* iii. p. 297 (1879: East Cape, S.E. New Guinea), iv. p. 102 (1879).

Actitis incana, *Finsch, P. Z. S.* 1879, p. 15 (Duke of York Isl.).

Heteroscelus incanus (*nec Gm.*), *Boyd. Consp. Av. Imp. Ross.* i. p. 98 (1884); *Heine & Reichen. Nomencl. Mus. Hein.* p. 327 (1890: Kamtchatka; Java; Timor).

Heteractitis brevipes, *Stejn. Bull. U.S. Nat. Mus.* no. 29, p. 137 (1885); *Salvad. & Gigl. P. Z. S.* 1887, p. 586 (Olga Bay, Sept.; Port Lazareff, Aug.; Gensan, Aug.); *id. Mem. R. Accad. Sci. Torino*, (2) xxxix. p. 115 (1888); *Salvad. Ann. Mus. Genov.* (2) x. p. 827 (1891: Killerton Isl.); *id. Agg. Orn. Papuasia*, iii. p. 202 (1891).

Totanus incanus brevipes, *Seebohm, Geogr. Distr. Charadr.* p. 361 (1887); *id. Ibis*, 1890, p. 104 (Peel Isl., Bonin group, June); *id. Ibis*, 1891, p. 191 (Volcano Islands).

Heteroscelus brevipes, *Taez. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 877 (1893: Darasun; Kamtchatka; Ussuri River).

Heteractitis incanus brevipes, *Nikolski, Faun. Sakhal.* p. 265.

Adult male in winter plumage. General colour above uniform ashy grey, with slightly indicated light ashy margins; scapulars like the back; lower back, rump, and upper tail-coverts purer grey than the back, with distinct whitish edges; the long upper tail-coverts with sub-terminal dusky bars; wing-coverts like the back, with paler margins, the greater series margined with white; primary-coverts and quills blackish, externally washed with ashy and fringed with white, the inner secondaries ashy grey like the back, fringed with whitish; tail-feathers uniform ashy, with narrow whitish margins; head and neck like the back; base of forehead and a large supra-loral spot white, extending in a narrow streak above the eye; lores blackish; sides of face and ear-coverts white, the upper edge of the latter ashy grey; cheeks and under surface of body pure white, with a shade of ashy grey over the fore-neck and chest; sides of breast and flanks also ashy grey, as well as the outer aspect of the thighs; under wing-coverts and axillaries ashy grey, fringed with white at the ends; quills below ashy, lighter along the inner edge; "bill blackish grey, light brownish grey at base of lower mandible; feet light ochre-yellow, joints with a faint greenish tinge; iris dark brown" (*L. Stejneger*). Total length 8·5 inches, wing 6·4.

Adult female in winter plumage. Similar to the male: "bill black, greyish yellow at base; feet dirty chrome-yellow; claws

black" (*A. H. Everett*). Total length 9 inches, culmen 1·45, wing 6·2, tail 2·8, tarsus 1·25.

Young in winter plumage. Differs from the winter plumage of the adults in having the wing-coverts, scapulars, and back mottled with white dots on the outer webs of the feathers.

The adult birds appear to moult into winter plumage after quitting their summer haunts for southern latitudes, arriving with worn and abraded feathers, but with the barred under surface of the breeding-dress.

Adult male in breeding-plumage. Resembles the winter plumage as regards the upper surface of the body being entirely ashy grey, but differs in the colouring of the lower surface, which is profusely spotted and barred. The throat is white, but the cheeks, lower throat, and fore-neck are spotted and streaked with dusky blackish; the chest and breast, as well as the sides of the body and flanks, are also barred with dusky blackish, with a few bars on the under tail-coverts: "bill brown; feet yellow-ochre; iris dark brown" (*H. Whitely*). Total length 9·5 inches, culmen 1·5, wing 6·1, tail 2·6, tarsus 1·15.

Adult female in breeding-plumage. Does not differ from the male. Total length 9·5 inches, culmen 1·5, wing 6, tail 2·6, tarsus 1·2.

Hab. From Eastern Siberia and Kamtchatka, through Japan and China to the Malayan Archipelago, the Papuan Islands, and Australia.

a. Ad. sk.	Lake Baikal, May 31 (*Dybowski*).	Seebohm Coll.
b, *c*. ♂ ad.; *d*, *e*. ♀ ad. et imm. sk.	Hakodadi, Japan, May, Sept. (*Capt. Blakiston*: *H. Whitely*).	Seebohm Coll.
f, *g*. ♂ ♀ ad. sk.	Hakodadi, Oct. (*H. Whitely*).	Tweeddale Coll.
h. ♂ ad. sk.	Hakodadi, Sept. (*W. Blakiston*).	Tweeddale Coll.
i–*l*. Ad. et imm. sk.	Yokohama (*H. Pryer*).	Seebohm Coll.
m, *n*. Ad. sk.	Liu-Kiu Islands, Aug.	Seebohm Coll.
o, *p*, *q*. Ad. et imm. sk.	S.W. Formosa, Aug., Sept. (*R. Swinhoe*).	Seebohm Coll.
r, *s*. Ad. et imm. sk.	Amoy, May, Sept. (*R. Swinhoe*).	Seebohm Coll.
t. ♀ ad. sk.	Cebu, Philippines, April (*A. H. Everett*).	Tweeddale Coll.
u. ♀ ad. sk.	Negros, Feb.	F. S. Bourns, Esq. [C.].
v. ♀ ad. sk.	S. Leyte, Oct. (*A. H. Everett*).	Tweeddale Coll.
w. ♀ imm. sk.	S. Leyte, Oct. (*A. H. Everett*).	Seebohm Coll.
x. ♂ ad. sk.	Malanipa.	Voy. H.M.S. 'Challenger.'
y, *z*. ♂ ad.; *a'*. ♀ ad. sk.	N. Bohol, Nov. (*A. H. E.*).	Tweeddale Coll.
b'. ♀ ad. sk.	Ayala, Mindanao, Dec. 6.	E. L. Moseley, Esq. [C.].
c'. Ad. sk.	Labuan, Oct. (*A. H. Everett*).	Seebohm Coll.
d', *e'*. Ad. sk.	Labuan, Jan. 10.	A. H. Everett, Esq. [P.].

f'. Ad. sk.	Labuan.	Sir Hugh Low [C.].
g'. Ad. sk.	Celebes.	Tweeddale Coll.
h'. Ad. sk.	Batchian.	Wallace Coll.
i'. ♂ ad. sk.	Moloe Island, Tenimber group.	H. O. Forbes, Esq. [C.].
k'. ♀ ad. sk.	New Guinea (*A. R. Wallace*).	Seebohm Coll.
l', *m'*. Ad. sk.	New Guinea.	Wallace Coll.
n'. Ad. sk.	New Guinea (*A. R. Wallace*).	Tweeddale Coll.
o', *p'*. Ad. sk.	Duke of York Island (*G. Brown*).	Tweeddale Coll.
q'. ♀ ad. sk.	Admiralty Islands.	Voy. H.M.S. 'Challenger.'
r'. ♀ ad. sk.	West Island, Torres Straits, Sept. (*Dr. Coppinger*).	Voy. H.M.S. 'Alert.'
s'. ♀ ad. sk.	Wednesday Island.	Voy. H.M.S. 'Challenger.'
t'. Ad. sk.	North-eastern Australia.	Gould Coll.
u', *v'*, *w'*. Ad. sk.	Queensland (*J. T. Cockerell*).	Salvin-Godman Coll.
x'. Ad. sk.	Port Bowen, Queensland.	J. B. Jukes, Esq. [P.].
y'. Ad. st.	Port Essington.	Capt. Chambers [P.].
z'. Ad. st.	Australia.	Capt. Stanley [P.].

2. Heteractitis incanus.

Ash-coloured Snipe, *Lath. Gen. Syn.* iii. pt. 1, p. 154 (1785: Eimeo and Palmerston Isl.).

Scolopax incana, *Gm. Syst. Nat.* i. p. 658 (1788); *Lath. Ind. Orn.* ii. p. 724 (1790).

Tringa glareola (*nec L.*), *Pall. Zoogr. Rosso-Asiat.* ii. p. 194, pl. lx. (1811, pt.); *Kittl. Denkw.* i. p. 287 (1858).

Totanus incanus, *Vieill. N. Dict. d'Hist. Nat.* vi. p. 400 (1816); *Schl. Mus. Paye-Bas*, Scolopaces, p. 74, sp. 44 (1864); *Sel. P. Z. S.* 1864, p. 9 (Huaheine); *Marie. Actes Soc. Linn. Bord.* xxvii. p. 328 (1870: New Caledonia); *Gray, Hand-l. B.* iii. p. 45, no. 10270 (1871); *Ramsay, Proc. Linn. Soc. N. S. W.* i. p. 76 (1877: Fiji Isl.); *Layard, Ibis*, 1877, p. 393 (New Caledonia), 1878, p. 262; *Sel. P. Z. S.* 1878, p. 351; *id. Voy. 'Challenger,' Zool.* ii. *Birds*, p. 90 (1881: Sandwich Isl.); *Tristr. Ibis*, 1881 p. 251 (Marquesas Isl.); *id. Ibis*, 1883, p. 47 (Fanning Isl.); *id. P. Z. S.* 1883, p. 79 (Sidney Isl., Phœnix group); *Seebohm, Geogr. Distr. Charadr.* p. 300 (1888); *id. Ibis*, 1890, p. 104 (Peel Isl., Bonin group); *Lister, P. Z. S.* 1891, p. 300 (Phœnix group); *Wiglesw. Abhandl. k. Zool. Mus. Dresd.* 1890-91, no. 6, p. 65.

Scolopax solitarius (*nec Wilson*), *Bloxham in Byron's Voy. 'Blossom,'* p. 252 (1826: Sandwich Isl.).

Tringa brevipes, *Less. Compl. Buff.* ix. p. 416 (1837: Pacific Isl.).

Totanus fuliginosus, *Gould in Darwin's Voy. 'Beagle,' Birds*, p. 130 (1841: Galapagos); *Gray, List Grall. Brit. Mus.* p. 101 (1844); *id. Gen. B.* iii. p. 573, pl. cliv. (1846); *Reichenb. Grall.* tab. cccxviii. fig. 2930 (1850).

Scolopax undulata, *Forst. Descr. Anim.* p. 173 (1844: Otaheite; Uliatea).

Scolopax pacifica, *Forst. Descr. Anim.* p. 174 (1844: Tongatabu).

Totanus polynesiæ, *Peale, U.S. Expl. Exped.* p. 257, pl. 65, fig. 1 (1848); *Hartl. Arch. f. Nat.* 1852, p. 120 (Fiji, Tonga, Samoa Society, Paumotu, Marquesas, and Mathew Isl.).

Totanus oceanicus, *Less. Mamm. et Ois* ii. p. 244 (1847); ***Hartl.***

Arch. f. Nat. 1852, pp. 121, 135 (Marquesas and Caroline Is.); *Cass. U.S. Expl. Exped.* p. 318 (1858: Fiji; Tahiti and Samoa group).

Totanus pacificus, *Hartl. Arch. f. Nat.* 1852, p. 134 (Tonga Isl.).

Totanus solitarius (*nec Wilson*), *Hartl. tom. cit.* p. 135 (Sandwich Isl.).

Totanus brevipes (*nec V.*), *Cass. Proc. Acad. Nat. Sci. Philad.* 1856, p. 40 (Pacific coast of America and Pacific islands); *id. U.S. Expl. Exped.* p. 318 (1858: Paumotu group); *Pelz. Reis. Novara, Vog.* p. 129 (1865: Puynipet; Tahiti).

Actitis pulverulentus (*nec Müll.*), *Licht. Nomencl. Av. Mus. Berol.* p. 92 (1854; Sandwich Isl.).

Gambetta fuliginosa, *Bp. C. R.* xliii. p. 597 (1856).

Gambetta oceanica, *Bp. tom. cit.* p. 597.

Heteroscelus brevipes (*nec V.*), *Baird, B. N. Amer.* p. 734, pl. lxxxviii. (1858); *Dall & Bann. Trans. Chic. Acad.* i. p. 293 (1869).

Totanus (Gambetta) incanus, *Gray, Cat. B. Trop. Isl. Pacific Ocean,* p. 50 (1859: Society, Low, Marquesas, Sandwich, Tonga, Fiji, Samoa, and Palmerston Is.).

Totanus undulatus, *Verr. Rev. et Mag. de Zool.* 1860, p. 457.

Actitis incanus, *Finsch u. Hartl. Faun. Centralpolyn.* p. 182 (1867); *Dole, Proc. Bost. Soc. Nat. Hist.* xii. p. 303 (1869: Hawaiian Isl.); *Scl. P. Z. S.* 1871, p. 360 (Sandwich Isl.); *Finsch, Abhandl. nat. Ver. Bremen,* iii. p. 64 (1872: N.W. America); *id. Journ. Mus. Godeffr.* Heft viii. p. 36 (1875); *Layard, Ibis,* 1876, p. 393 (Fiji Isl.); *Finsch, Ibis,* 1880, p. 79 (Honolulu), p. 216 (Taluit), p. 330 (Marshall Isl.), p. 432 (Gilbert Isl.); *Layard, t. c.* p. 232 (Loyalty Isl.), p. 305 (New Hebrides); *Finsch, Ibis,* 1881, pp. 105, 109 (Kushai), p. 115 (Ponapé), p. 246 (Pleasant Isl.); *E. L. & L. C. Layard, t. c.* p. 136 (Aneiteum); *iid. Ibis,* 1882, p. 534 (New Caledonia), p. 544 (New Hebrides; Fiji Isl.).

Heteroscelus incanus, *Coues, Key N. Amer. B.* p. 261 (1872); *Salvin, Trans. Zool. Soc.* ix. p. 503 (1876: Galapagos); *Streets, Bull. U.S. Nat. Mus.* no. 7, p. 19 (1877: Palmyra Isl., Fanning group); *Bean, Proc. U.S. Nat. Mus.* v. p. 165 (1882: Port Providence, Plover Bay, Siberia, Sept. 14); *Elliott, Monogr. Pribylov Isl., Alaska,* p. 130 (1882); *Nelson, Cruise R. S. 'Corwin,'* p. 89 (1883: St. Michael's; R. Yukon; Nulato); *Salvin, P. Z. S.* 1883, p. 429 (Acapulco); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 390 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 643 (1884); *Tacz. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 880 (1893).

Totanus semipalmatus (*nec Gm.*), *Streets, Amer. Nat.* 1877, p. 71 (Fanning Isl.).

Heteractitis incanus, *Stejn. Auk,* i. p. 236 (1884); *id. Bull. U.S. Nat. Mus.* no. 29, p. 132 (1885); *Turner, Auk,* ii. p. 157 (1885: Nearer Isl.); *A. O. U. Check-list N.-Amer. B.* p. 156 (1886); *Nelson, Rep. Nat. Hist. Coll. Alaska,* p. 118 (1887); *Cooper, Auk,* iv. p. 87 (1887: Ventura Co., California); *Blake, t. c.* p. 329 (Santa Cruz Isl.; California); *Stejn. Proc. U.S. Nat. Mus.* x. p. 83 (1887: Kauai, Hawaiian Isl.); *Ridgw. op. cit.* xii. pp. 120, 123 (1889: Hood and James Isl., Galapagos); *Stejn. t. c.* p. 381; *Towns. Proc. U.S. Nat. Mus.* xiii. p. 134 (1890: Pacific coast); *Fisher, N. Amer. Fauna,* no. 7, p. 23 (1892: Monterey, California); *Allen, Auk,* x. p. 123 (1893).

Totanus (Heteractitis) incanus, *Palmén, Vega-Exped.* v. p. 305 (1887).

Heteroscelus oceanicus, *Heine & Reichen. Nomencl. Mus. Hein.* p. 327 (1890: St. Savoi, Samoa Isl.).

Adult male in winter plumage. Similar to the winter plumage of *H. brevipes*, but distinguished by the nasal furrow being produced to the apical third of the bill, and by the tarsus generally, but not always, reticulated behind; lower throat, fore-neck, and chest darker ashy grey than in *H. brevipes*. Total length 9 inches, culmen 1·45, wing 6·5, tail 2·6, tarsus 1·2.

Adult male in summer plumage. Differs from the summer plumage of *H. brevipes* in being much more closely spotted and barred underneath, the spots on the throat extending nearly up to the chin; while the bars are so closely distributed on the under surface that only the lower abdomen remains white; the under tail-coverts also thickly barred with dusky blackish: "bill and feet dull greenish; iris brown" (*E. L. Layard*). Total length 10 inches, culmen 1·4, wing 6·3, tail 2·8, tarsus 1·2.

Adult female in breeding-plumage. Similar to the male. Total length 10 inches, culmen 1·5, wing 6·7, tail 2·85, tarsus 1·3.

Hab. From Alaska along the Pacific coasts of North America to Mexico and the Galapagos Islands. Throughout Oceania to the New Hebrides, and apparently to North-eastern Australia, if the locality 'Cape York' in the Gould Collection has been correctly recorded.

a. Ad. sk.	N.W. America.	Purchased.
b. ♂ ad.; *c*, *d*. ♀ ad. sk.	St. Michael's, Alaska, Aug. (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
e. ♀ ad. sk.	Nulato, Alaska, May 27 (*W. H. Dall*: *Hensh. Coll.*).	Salvin-Godman Coll.
f. Ad. sk.	Vancouver Island.	J. K. Lord, Esq. [C.].
g. ♂ ad. sk.	San Miguel Isl., California, Aug. 31 (*Hensh. Coll.*).	Salvin-Godman Coll.
h, *i*. ♂ ♀ ad. sk.	Monterey, California, Sept. 30 (*Hensh. Coll.*).	Salvin-Godman Coll.
k. Ad. sk.	California.	Salvin-Godman Coll.
l. Ad. sk.	Acapulco, Mexico, March (*A. H. Markham*).	Salvin-Godman Coll.
m. ♀ ad. sk.	Indefatigable Island, Galapagos, Sept. 20 (*Dr. A. Habel*).	Salvin-Godman Coll.
n. ♀ ad. sk.	Abingdon Island, Galapagos, Dec. 23 (*Dr. A. Habel*).	Salvin-Godman Coll.
o. Ad. sk.	Galapagos Islands.	Sir W. Burnett and Adm. Fitzroy [P.]. (Type of *T. fuliginosus*.)
p. ♀ ad. sk.	Hawaii, Sandwich Islands.	Voy. H.M.S. 'Challenger.'
q. Ad. sk.	Molokai (*R. C. L. Perkins*).	Joint Committee Roy. Soc. & Brit. Assoc. [P.].
r. Ad. sk.	Huaheine, Society Islands.	Gould Coll.
s. Ad. sk.	Society Islands.	Gould Coll.
t. Ad. sk.	Society Islands.	Hume Coll.
u, *v*. ♀ ad. sk.	Tongatabu, Nov. (*Dr. Coppinger*).	Voy. H.M.S. 'Alert.'
w, *x*. Ad. sk.	Samoa.	Rev. S. J. Whitmee [C.].

y. Ad. sk.	Tutuila Island, July.	J. Brenchley, Esq. [P.].
z. Ad. sk.	Savaii, July (*G. Brown*).	Hume Coll.
a'. ♂ ad. sk.	Canton Isl., Phœnix group, July 1.	J. J. Lister, Esq. [P.].
b', *c'*. ♂ ♀ ad. sk.	Ovalau, Fiji group, Nov., Dec. (*E. L. Layard*).	Tweeddale Coll.
d'. ♂ imm. sk.	Island of Ngau (*Dr. F. M. Rayner*).	Voy. H.M.S. 'Herald.'
e'. ♀ ad. sk.	Matuka (*Dr. F. M. Rayner*).	Voy. H.M.S. 'Herald.'
f'. ♀ ad. sk.	Notoya, Aug. (*Dr. F. M. Rayner*).	Voy. H.M.S. 'Herald.'
g'. Ad. sk.	Aneiteum, New Hebrides.	J. Macgillivray, Esq. [C.].
h'. Ad. sk.	Cape York.	Gould Coll.

50. TRINGOIDES.

	Type.
Actitis, *Boie* (*nec Illig.*), *Isis*, 1822, p. 560	T. hypoleucus.
Tringoides, *Bp. Sagg. distr. met. An. Vert.* p. 58 (1831)	T. hypoleucus.
Guinetta, *Gray*, *List Gen. B.* 1840, p. 68	T. hypoleucus.

Range. Almost cosmopolitan.

1. Tringoides hypoleucus.

The Common Sandpiper.

La Guignette, *Briss. Orn.* v. p. 183, pl. xvi. fig. 2 (1760); *Buff. Hist. Nat. Ois.* vii. p. 540 (1780).

Tringa hypoleucus, *Linn. Syst. Nat.* i. p. 250 (1766); *Gm. Syst. Nat.* i. p. 678 (1788).

La Petite Alouette de Mer, *D'Aubent. Pl. Enl.* viii. pl. 850.

Common Sandpiper, *Lath. Gen. Syn.* iii. pt. 1, p. 178 (1785); *Yarrell, Brit. B.* ii. p. 539 (1843).

Trynga leucoptera, *Pall. Zoogr. Rosso-Asiat.* ii. p. 196 (1811: Siberia: Kodiak Isl.).

Actitis hypoleucus, *Illiger, Prodr.* p. 262 (1811); *Boie, Isis*, 1822, p. 649; *Brehm, Vög. Deutschl.* p. 648 (1831); *Naum. Vög. Deutschl.* viii. p. 7, tab. 194 (1836); *Bp. Comp. List B. Eur. & N. Amer.* p. 51 (1838); *Nordm. in Démid. Voy. Russ. Mérid.* iii. p. 243 (1840: Odessa, March); *Webb & Berth. Orn. Canar.* p. 38 (1841); *Mühle, Beitr. Orn. Griechenl.* p. 101 (1844); *Schl. Rev. Crit.* p. xci (1844); *Blyth, J. A. S. Beng.* xv. p. 373 (1846); *id. Cat. B. Mus. A. S. Beng.* p. 267 (1849); *Reichenb. Grall.* tab. lxxiv. fig. 593 (1850); *Middend. Reis. Sibir., Zool.* p. 215 (1851); *Macgill. Brit. B.* iv. p. 351 (1852); *Schl. Vog. Nederl.* pl. 240 (1854); *Licht. Nomencl. Av. Mus. Berol.* p. 92 (1854); *Bp. C. R.* xliii. p. 597 (1856); *Heugl. Syst. Uebers.* p. 62 (1856); *Hartl. Orn. West-Afr.* p. 235 (1857); *Cass. Proc. Acad. Nat. Sci. Philad.* 1859, p. 174 (Camma R.); *Heugl. Ibis*, 1859, p. 347 (Danakil & Somali Coasts); *Schrenck, Reis. Amurl.* p. 417 (1859: July & Aug.); *Sundev. Sv. Fogl.* pl. 41. fig. 3 (1860); *Linderm. Vög. Griechenl.* p. 140 (1860); *Schl. Dier. Nederl. Vogels*, pl. 25. figs. 2, 2 A (1861); *Hartl. J. f. O.* 1861, p. 271 (Bissao); *Irby*,

Ibis, 1861, p. 240 (Kumaon); *Gould, B. Gt. Brit.* iv. pl. 58 (1863); *Radde, Reis. Sibir., Vog.* p. 330 (1863: Lake Baikal, July); *Jerd. B. Ind.* iii. p. 699 (1864); *Schl. Mus. Pays-Bas*, Scolopaces, p. 80 (1864: Gold Coast: Gaboon); *Pelz. Reis. Novara, Vog.* p. 135 (1865); *Finsch, Neu-Guinea*, p. 182 (1865); *Degl. et Gerbe, Orn. Eur.* ii. p. 227 (1867); *Locke, Expl. Sci. Algér., Ois.* ii. p. 326 (1867); *Blyth, Ibis*, 1867, p. 169; *E. Newt. t. c.* p. 346 (Seychelles); *Finsch & Hartl. Faun. Centralpolyn.* p. 187 (1867); *iid. P. Z. S.* 1868, pp. 8, 118 (Pelew Is.); *Beavan, Ibis*, 1868, p. 395 (Umbala); *Ibyh. J. f. O.* 1868, p. 337 (Darasun); *Bettoni, Ucc. nidif. Lomb.* ii. pl. 89 (1868); *Borggr. Vogelf. Norddeutschl.* p. 115 (1869); *Doderl. Avif. Sicil.* p. 180 (1869); *Droste, Vogelw. Borkum*, p. 196 (1869); *Fritsch, Vög. Eur.* pl. 33. figs. 13, 14 (1870); *Godwin-Austen, J. A. S. Beng.* xxxix. pt. 2, p. 273 (1870: Khasia Hills); *Salvad. Faun. Ital., Ucc.* p. 216 (1871); *Saunders, Ibis*, 1871, p. 388 (Malaga); *Wald. Trans. Zool. Soc.* viii. p. 96 (1872: Celebes); *Godman, Ibis*, 1872, p. 221 (Madeira); *Hartl. & Finsch, P. Z. S.* 1872, p. 106 (Pelew Isl.); *Holdsw. t. c.* p. 474 (Ceylon); *Hume & Henders. Lahore to Yark.* p. 289 (1873); *Ball, Str. F.* i. p. 85 (1873: Andamans); *Alston & Harvie-Brown, Ibis*, 1873, p. 67 (River Dwina); *Wald. t. c.* p. 317 (Andamans); *Brooke, t. c.* p. 389 (Sardinia); *Hayes Lloyd, t. c.* p. 417 (Kathiawar); *Tacz. J. f. O.* 1873, p. 102, 1874, p. 336; *Ball, Str. F.* ii. p. 431 (1874: Chota Nagpur); *Reichen. J. f. O.* 1874, p. 377; *Finsch, Journ. Mus. Godeffr.* Heft viii. p. 30 (1875); *Shelley, Ibis*, 1875, p. 86 (Durban); *Danf. & Harvie-Brown, t. c.* p. 422 (Transylvania); *Brooks, Str. F.* iii. p. 257 (1875: Derali); *Wharton, Ibis*, 1876, p. 27 (Corsica); *Seebohm, t. c.* p. 292 (Lower Petchora); *Butler, Str. F.* iv. p. 18 (1876: Mount Abo distr.); *Scully, t. c.* p. 188 (E. Turkestan); *Fairb. t. c.* p. 203 (Ahmednuggur); *Sharpe & Bouv., Bull. Soc. Zool. France*, i. p. 53 (Chinchonxo); *Tacz. t. c.* p. 250 (1876: E. Siberia), ii. p. 156 (1877: Poland); *Butler, Str. F.* v. p. 233 (1877: Deesa, Aug. to May); *Masters, Proc. Linn. Soc. N. S. W.* i. p. 61 (1877: Cape York); *Ramsay, P. Z. S.* 1877, p. 338 (Herbert R., Queensland); *Sharpe, Journ. Linn. Soc., Zool.* xiii. p. 320 (1877: Yule Isl.), p. 504 (Port Moresby); *Nicholson, P. Z. S.* 1878, p. 359 (Dar-es-Salaam); *Cab. J. f. O.* 1878, p. 245 (Zanzibar); *Davidson & Wenden, Str. F.* vii. p. 80 (1878: Deccan); *Ball, t. c.* p. 228 (Godaveri); *Anderson, Rep. Zool. Res. Yunnan Exped.* p. 681 (1878); *Ramsay, Proc. Linn. Soc. N. S. W.* ii. p. 197 (1878), iii. p. 297 (1879: Teste Isl.; Boara); *Finsch, P. Z. S.* 1879, p. 15 (Duke of York Isl.); *Meyer, Ibis*, 1879, pp. 143, 146 (Menado: Limbotto: Togian Isl.); *Seebohm, t. c.* p. 151 (Yen-e-sei Valley); *Boyd. B. Cauc.* p. 158 (1879); *Finsch, Verh. z.-b. Ges. Wien*, xxix. p. 251 (1879: Ob River); *Ramsay, Proc. Linn. Soc. N. S. W.* iv. p. 101 (1880: South Cape and Louisiades); *Bocage, Orn. Angola*, p. 198 (1881: Landana; Benguela); *Hartl. Abhandl. nat. Ver. Bremen*, vii. p. 120 (1881: Lado); *Pelz. Verh. z.-b. Ges. Wien*, xxxi. p. 155 (1881: Lado, Feb.); *Seebohm, Ibis*, 1882, p. 223 (Astrachan); *Biddulph, t. c.* p. 229 (Dessai plain); *Bohm, J. f. O.* 1882, p. 185; *Butler, Feilden, & Reid, Zool.* 1882, p. 425 (Newcastle, Natal, spring and autumn); *Degl. Icongr. Avif. Ital.* no. 201 (1882); *Ramsay, Proc. Linn. Soc. N. S. W.* vii. p. 41 (1883: Ugi); *Boyd. Consp. Av. Imp. Ross.* p. 49 (1884); *Radde, Orn. Cauc.* pp. 45, 430 (1884: 7000 ft., breeding); *Tacz. Bull. Soc. Zool. France*, ix. p. 146 (1884); *Murray, Vertebr. Faun. Sind*, p. 254 (1884);

Finsch, Vög. der Südsee, p. 22 (1884: New Britain); *Marshall, Ibis*, 1884, p. 424 (Chamba); *Fischer, Zeitschr. ges. Orn.* i. p. 387 (1884: Pangani, Aug.); *id. J. f. O.* 1885, p. 116 (Engatana); *Büttik. Notes Leyd. Mus.* vii. p. 244 (1885: Liberia, Dec. to July); *Tacz. Bull. Soc. Zool. France*, x. p. 475 (1885); *Stejn. Bull. U.S. Nat. Mus.* no. 29, p. 131 (1885); *Vorderm. Nat. Tijdschr. Nederl. Ind.* xlv. p. 108 (1885: W. Java); *Yerbury, Ibis*, 1886, p. 21 (Aden, resident); *Hartert, J. f. O.* 1886, p. 608 (Niger, June, Sept.); *Matschie, J. f. O.* 1887, p. 145 (Lifuku, Aug.); *Reichen. t. c.* p. 306 (Stanley Falls); *Stejn. Proc. U.S. Nat. Mus.* x. p. 133 (1887: Commander Isl.), p. 414 (Liu Kiu Isl.); *Harvie-Brown & Buckley, Vertebr. Faun. Caithn.* p. 222 (1887); *Tacz. P. Z. S.* 1888, p. 457 (Séoul, Corea); *Milne-Edwards & Oust. N. Arch. Mus.* (2) x. p. 244 (1887–88: Comoro Isl.); *Büttik. Notes Leyd. Mus.* x. p. 244 (1888: Mossamedes); *Ramsay, Tab. List Austr. B.* p. 20 (1888: Australia generally); *Koenig, J. f. O.* 1888, p. 279 (Tunis); *Büttik. Notes Leyd. Mus.* xi. p. 78 (1889: Humpata); *Meade-Waldo, Ibis*, 1889, p. 40; *Koenig, J. f. O.* 1890, p. 456 (Madeira; Tenerife); *Reiser, Vogels. Landesm. Sarajevo*, p. 125 (1891); *Wiglesw. Abhandl. k. Mus. Dresd.* 1890-91, no. 6, p. 64; *Elliot, Auk*, viii. p. 16 (1891: Bahala Isl., N.E. Borneo); *Tacz. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 882 (1893); *Koenig, J. f. O.* 1892, p. 92 (Tunis); *Reiser, Orn. Balc.* p. 165 (1894); *Sjöstedt, K. Svensk. Vet.-Akad. Handl. Stockh.* xxvii. p. 27 (1895: Cameroons); *id. M T. Deutsch. Schutz.* viii. p. 13 (1895).

Totanus hypoleucus, *Temm. Man. d'Orn.* p. 424 (1815); *Vieill. N. Dict. d'Hist. Nat.* vi. p. 407 (1816); *Temm. Man. d'Orn.* ii. p. 657 (1820); *Horsf. Trans. Linn. Soc.* xiii. p. 192 (1821: Java); *Roux, Orn. Prov.* pl. 297 (1825); *Werner, Atlas, Grall.* pl. 24 (1827); *Fleming, Brit. Anim.* p. 104 (1828); *Brehm, Vög. Deutschl.* p. 648 (1831); *Less. Traité d'Orn.* p. 552 (1831); *Jenyns, Man. Brit. Vertebr.* p. 199 (1835); *Gould, B. Eur.* iv. pl. 318 (1837); *Cresp. Orn. Gard*, p. 431 (1840); *Keys. & Blas. Wirb. Eur.* pp. lxxiii, 212 (1840); *Müll. Verh. Land- en Volkenk.* p. 22 (1839–44); *Selys-Longch. Faune. Belge*, p. 127 (1842); *Hodgs. Icon. ined. in Brit. Mus., Grall.* pl. 83. fig. 2, no. 557; *id. in Gray's Zool. Misc.* p. 86 (1844); *Gray, List Grall. Brit. Mus.* p. 102 (1844); *Rüpp. Syst. Uebers.* p. 126 (1845); *Gray, Cat. Mamm. &c. Nepal pres. Hodgs.* p. 139 (1846); *Hewits. Eggs Brit. B.* ii. p. 293, pl. lxxxi. fig. 2 (1846); *Strickl. P. Z. S.* 1850, p. 221 (Kordofan); *Thomps. B. Irel.* ii. p. 212 (1850); *Kjærb. Danm. Fugle*, pl. 36. fig. 2 (1851); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 461 (1859); *F. & P. Godman, Ibis*, 1861, p. 87 (Bödö, May); *Wallace, P. Z. S.* 1863, p. 487 (Flores and Timor); *Gould, Handb. B. Austr.* ii. p. 263 (1865); *Smith, Ibis*, 1868, p. 454 (Portugal); *Stevens. B. Norf.* ii. p. 230 (1870); *Elwes & Buckley, Ibis*, 1870, p. 332 (Bosphorus); *Gurney, Ibis*, 1871, p. 299 (Algeria); *R. Gray, B. West Scotl.* p. 296 (1871); *Brooks, J. A. S. Beng.* xli. pt. 2, p. 86 (1872: Cashmere, breeding); *Severtz. Turkest. Jevotn.* p. 69 (1873); *Palmén, Finlands Foglar*, p. 163 (1873); *Saxby, B. Shetl.* p. 195 (1874); *Irby, Orn. Straits Gibr.* p. 168 (1875); *Fallon, Ois. Belg.* p. 175 (1875); *Dresser, Ibis*, 1876, p. 411 (Turkestan); *id. B. Eur.* viii. p. 127, pl. 563 (1877); *Tweedd. P. Z. S.* 1877, p. 834 (Butuan, May); *Danf. Ibis*, 1878, p. 34 (Asia Minor); *Butler, Str. F.* vii. p. 187 (1878: Karachi); *Bingham, Str. F.* ix. p. 197 (1880); *Collett, Norges Fugle*, p. 104 (1881); *Seebohm, Ibis*, 1882, p. 381 (Archangel); *Slater, t. c.* p. 435 (Yang-tse-Kiang); *Seebohm,*

Ibis, 1883, p. 30 (Caucasus); *Severtz. t. c.* p. 75 (Pamir, breeding); *Irby*, *t. c.* p. 186 (Santander); *Booth*, *Rough Notes*, ii. pl. 52 (1881-87); *Saunders*, *ed. Yarrell's Brit. B.* iii. p. 446 (1883); *Tristr. Faun. & Flor. Palest.* p. 133 (1884); *Saunders*, *Ibis*, 1884, p. 390 (Pyrenees); *Seebohm*, *Hist. Brit. B.* iii. p. 117, pl. 30. figs. 7-9 (1885); *Dixon*, *Ibis*, 1885, p. 85 (St. Kilda); *Ayres*, *t. c.* p. 348 (Transvaal, Aug.); *Seebohm*, *Ibis*, 1886, p. 25 (Upper Engadine); *Buttik. Notes Leyd. Mus.* viii. p. 260 (1886: Liberia); *Pleske*, *Uebers. Saug. u. Vog. Kola. Halb.* p. 357 (1886); *Seebohm*, *Ibis*, 1887, p. 182 (Liu Kiu Isl.); *Tait*, *t. c.* p. 391 (Portugal, breeding); *Seebohm*, *Geogr. Distr. Charadr.* p. 371 (1888); *Chapman*, *Ibis*, 1888, p. 445 (Spain); *Harvie-Brown & Buckley*, *Vertebr. Faun. Outer Hebrides*, p. 135 (1888); *Büttik. Notes Leyden Mus.* x. p. 102 (1888), xi. p. 127 (1889); *Lilford*, *Ibis*, 1889, p. 341 (Cyprus); *Saunders*, *Man. Brit. B.* p. 591 (1889); *Reichen. J. f. O.* 1889, p. 266 (Zanzibar, Nov.); *id. Syst. Verz. Vog. Deutschl.* p. 47 (1889); *id. J. f. O.* 1890, p. 107 (Cameroons); *Sharpe in Jameson's Rear Column*, App. p. 404 (1890: Aruwhimi); *Seebohm*, *B. Japan. Emp.* p. 326 (1890); *id. Ibis*, 1890, p. 104 (Peel Isl., July); *Whitehead*, *t. c.* p. 59 (Palawan); *Gätke*, *Vogelw. Helgol.* p. 151 (1891); *Saunders*, *Ibis*, 1891, p. 187 (Switzerland); *W. Evans*, *t. c.* p. 81 (incubation); *Sharpe*, *t. c.* p. 114 (Fao, Sept.); *Buckley & Harvie-Brown*, *Vertebr. Faun. Orkney Isl.* p. 219 (1891); *Macph. Vertebr. Faun. Lakeland*, p. 302 (1892); *Harvie-Brown & Buckley*, *Vertebr. Faun. Argyll*, p. 180 (1892); *Seebohm*, *Ibis*, 1892, p. 24 (Heligoland), p. 97 (Tsu-sima); *Hartert*, *t. c.* p. 514 (E. Prussia); *Seebohm*, *Ibis*, 1893, p. 53 (Liu Kiu); *Reichen. Vög. Deutsch-Ost-Afr.* p. 42 (1894: Pangani; Ugalla; Tanganyika); *Irby*, *Orn. Straits Gibr.* 2nd ed. p. 285 (1895).

Totanus guinetta, *Leach*, *Syst. Cat. Mamm. &c. Brit. Mus.* p. 30 (1816: Pembrokeshire).

Tringoides hypoleucus, *Bp. Saggio Distr. Met.* p. 58 (1831); *Gray*, *List Gen. B.* p. 88 (1841); *id. Gen. B.* iii. p. 754 (1846); *Motley & Dilwyn*, *Nat. Hist. Labuan*, p. 60 (1855); *Swinh. Ibis*, 1860, p. 66 (Amoy); *Tristr. t. c.* p. 85 (Algeria); *Powys*, *t. c.* p. 344 (Epirus & Corfu); *Gurney*, *Ibis*, 1861, p. 134 (Natal); *E. Newton*, *t. c.* p. 276 (Mauritius, Oct.); *Swinh. t. c.* p. 343 (N. China); *Cass. Proc. Acad. Nat. Sci. Philad.* 1862, p. 322 (Liu Kiu Isl.); *Gray*, *Cat. Brit. B.* p. 161 (1863); *Sel. P. Z. S.* 1863, p. 222 (Banjarmasing); *Swinh. Ibis*, 1863, p. 408 (Formosa, resident); *Wright*, *Ibis*, 1864, p. 147 (Malta, migrant); *Kirk*, *t. c.* p. 332 (Zambesi and Shiré); *More*, *Ibis*, 1865, p. 436; *Layard*, *B. S. Afr.* p. 327 (1867: March, Nov.); *Schl. & Poll. Faune Madag., Ois.* p. 133 (1868); *Gurney*, *Ibis*, 1868, p. 409 (Transvaal); *Drake*, *Ibis*, 1869, p. 154 (Morocco); *Cab. in Von der Decken's Reis.* iii. p. 47 (1869: Mombasa, Sept., Dec.); *Blanf. Geol. & Zool. Abyss.* p. 433 (1870: Anseba Valley); *Finsch*, *Trans. Zool. Soc.* vii. p. 299 (1870: Senafe, April; Ain, Aug.); *Finsch & Hartl. Vog. Ost-Afr.* p. 752 (1870); *Wyatt*, *Ibis*, 1870, p. 17 (Sinai); *Swinh. t. c.* p. 393 (Hainan); *Gray*, *Hand-l. B.* iii. p. 46, no. 10279 (1871); *Swinh. P. Z. S.* 1871, p. 406 (China; Formosa; Hainan); *Hartung*, *Handb. Brit. B.* p. 48 (1872); *Gurney*, *in Anderss. B. Damara-Land*, p. 393 (1872); *Shelley*, *B. Egypt*, p. 259 (1872); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1172 (1873: whole of N.E. Africa in winter; probably breeding); *Hume*, *Nests & Eggs Ind. B.* p. 588 (1873: Cashmere, breeding); *id. Str. F.* i. p. 247 (1873: Sind); *Adam*, *t. c.* p. 397 (Sambhur); *Swinh. Ibis*, 1873, p. 373 (Shanghai); *id. Ibis*, 1874, p. 163

(Hakodadi); *Durnf. t. c.* p. 399 (N. Frisian Isl.); *Salvad. Ucc. Born.* p. 326 (1874: Sarawak, Aug.); *Hume, Str. F.* ii. p. 299 (1874: Andamans and Nicobars, Aug. to May), iii. p. 183 (1875: Pegu); *Wald. Trans. Zool. Soc.* ix. pp. 234, 252 (1875: Luzon); *Armstrong, Str. F.* iv. p. 344 (1876: Elephant Point); *Hume, t. c.* p. 465 (Laccadives); *Sharpe, Ibis*, 1876, p. 52 (Sibu Isl., Oct.); *Blanf. East. Persia*, ii. p. 285 (1876: Baluchistan, April; Shiraz, Dec.; Elburz, Aug.); *Salvad. Ann. Mus. Genov.* ix. p. 663 (1876: Sanghir Isl.); *Hartl. Vög. Madag.* p. 327 (1877); *Reichen. J. f. O.* 1877, p. 11 (Loango Coast); *Tweedd. Ibis*, 1877, p. 322 (Sumatra); *Ramsay, Proc. Linn. Soc. N. S. W.* i. p. 189 (1877); *Scl. P. Z. S.* 1877, p. 113 (Duke of York Isl.), p. 557 (Admiralty Isl.); *Tweedd. t. c.* p. 550 (Camiguin; Pasananca), p. 703 (Monte Alban), p. 768 (Cebu); *David & Oust. Ois. Chine*, p. 467 (1877); *Salvad. P. Z. S.* 1878, p. 83 (Amboina), p. 90 (Ké Isl.), p. 100 (Aru Isl.); *Scl. t. c.* p. 289; *E. Newton, t. c.* p. 301 (Anjuan); *Tweedd. t. c.* p. 345 (S. Leyte), p. 624 (Palawan), p. 711 (N. Bohol), p. 937 (Zamboanga); *Hume & Davison, Str. F.* vi. pp. 463, 521 (1878: Tenasserim); *Hume, op. cit.* vii. p. 488 (1878: Calcutta); *Prjev. in Rowley's Orn. Misc.* iii. p. 89 (1878: Lake Hanka, April to Sept., breeding); *Blakist. & Pryer, Ibis*, 1878, p. 220; *Sharpe, P. Z. S.* 1879, p. 351 (Labuan); *Scl. t. c.* p. 447 (Duke of York Isl.); *Hume, Str. F.* viii. pp. 70, 113 (1879: Kopah; Malacca; Chohong); *Scully, t. c.* p. 358 (Nepal Valley, Sept. to April); *Tiraut, Bull. Agric. Cochinchine*, (3) i. p. 158 (1879); *Salvad. Ann. Mus. Genov.* xiv. pp. 252, 666 (1879); *Butler, Cat. B. Sind etc.* p. 64 (1879); *id. Cat. B. S. Bomb. Pres.* p. 78 (1880); *Legge, B. Ceylon*, iii. p. 867 (1880); *Wardlaw Ramsay, Ibis*, 1880, p. 71 (Afghanistan); *E. L. & L. C. Layard, t. c.* p. 305 (New Hebrides); *Vidal, Str. F.* ix. p. 86 (1880: S. Konkan); *Doig, t. c.* p. 282 (E. Narra, breeding); *Biddulph, Ibis*, 1881, p. 97 (Gilgit); *Scully, t. c.* p. 589 (Gilgit, spring and autumn migrant); *Salvad. Voy.* '*Challenger*,' *Zool.* ii. *Birds*, p. 64 (1881: Amboina), p. 72 (Banda), p. 83 (Aru Isl.); *Tweedd. t. c.* p. 24 (Camiguin and Pasananca); *Scl. t. c.* p. 33 (Admiralty Isl.); *Reid, Str. F.* x. p. 71 (1881: Lucknow); *Scl. & Hartl. P. Z. S.* 1881, pp. 174, 956 (Socotra); *Sharpe, t. c.* p. 800 (Borneo); *id. in Oates's Matabele Land*, App. B, p. 325 (1881: Inyati, Oct.; Sibanane); *Milne-Edwards & Grandid. Nat. Hist. Madag., Ois.* p. 622 (1882); *Holub & Pelz. Beitr. Orn. Südafr.* p. 292 (1882: Zambesi); *Salv. Cat. Strickl. Coll.* p. 612 (1882); *Tristr. Ibis*, 1882, p. 144 (Solomon Isl.); *Kelham, t. c.* p. 18 (Singapore); *Blas. & Nehrk. Verhandl. z.-b. ges. Wien*, xxxii. p. 430 (1882: Amboina); *Davidson, Str. F.* x. p. 321 (1882: W. Khandeish); *Salvad. Orn. Papuasia etc.* iii. p. 318 (1882); *B. O. U. List Brit. B.* p. 173 (1883); *Nichols. Ibis*, 1883, p. 256 (Sumatra, Feb.); *Shelley, t. c.* p. 562 (Egga); *Oates, Handb. B. Brit. Burm.* ii. p. 399 (1883: Aug. to May); *Davison, Str. F.* x. p. 414 (1883: Nilghiris); *Stejn. Proc. U.S. Nat. Mus.* vi. p. 71 (1883: Commander Isl.); *Meyer, Sitz. u. Abhandl. Ges. Isis*, 1884, Abth. i. p. 55 (Siao: Sanghir; Bouru); *id. Zeitschr. ges. Orn.* i. p. 295 (1884: Aru Isl.); *Salvad. Ann. Mus. Genov.* (2) i. p. 222 (1884: Shoa, Nov.); *Eagle Clarke, Ibis*, 1884, p. 148 (Danube); *Blakist. Amended List B. Jap.* p. 11 (1884); *Pleske, Bull. Acad. St. Pétersb.* xxix. p. 536 (1884: Ternate); *Guillem. P. Z. S.* 1885, p. 560 (Cagayan, Sulu), p. 664 (Waigiou; Mysol); *Whitehead, Ibis*, 1885, p. 43 (Corsica); *Swinhoe & Barnes, t. c.* p. 134 (Mhow

distr.); *Reid, t. c.* p. 253 (Morocco); *Nehrk. J. f. O.* 1885, p. 35 (Wangiou); *Zarudnoi, Ois. Transcasp.* p. 70 (1885); *Sharpe, Ibis*, 1886, p. 167 (Muscat), *Gigl. Arif. Ital.* p. 392 (1886); *Salvad. Elenco Ucc. Ital.* p. 223 (1886); *Vorderm. Nat. Tijdschr. Nederl. Ind.* xlvi. p. 22 (1886: Borneo); *Scully, J. A. S. Beng.* lvi. p. 87 (1887); *Macgregor, Str. F.* x. p. 466 (1887: Mysore); *Lister, P. Z. S.* 1888, p. 528 (Christmas Isl.); *Reid, Ibis*, 1888, p. 78 (Tenerife); *Sharpe, t. c.* p. 203 (Palawan); *Hume, Str. F.* xi. p. 324 (1888: Manipur); *Vorderm. Nat. Tijdschr. Nederl. Ind.* xlix. p. 416 (1889: Sumatra); *St. John, Ibis*, 1889, p. 177 (Afghanistan); *Eagle Clarke, t. c.* p. 552 (E. Pyrenees, May); *Everett, Journ. Straits Branch As. Soc.* 1889, p. 208; *Oates, ed. Hume's Nests & Eggs Ind. B.* iii. p. 352 (1890); *De Vis, Ann. Rep. Brit. New Guinea*, p. 62 (1890); *Gigl. Arif. Ital. 1st Resoc.* p. 595 (1890), *2nd Resoc.* p. 902 (1890), *3rd Resoc.* p. 517 (1891); *Brusina, Mojr. etc. (Orn. Croat.)* p. 90 (1890); *Shelley, Ibis*, 1890, p. 170 (Yambuya); *Sharpe, t. c.* pp. 144, 284 (N. Borneo); *De Vis, Ibis*, 1891, p. 41; *Styan, t. c.* pp. 331, 500 (Lower Yangtze); *Frivaldsky, Av. Hung.* p. 142 (1891); *Salvad. Ann. Mus. Genov.* (2) x. p. 827 (1891: Killerton Isl.); *id. Agg. Orn. Papuasia etc.* iii. p. 201 (1891); *Madarász, Erlaut. Ausst. Ungar. Vog.* p. 109 (1891); *Sharpe, Rep. 2nd Yark. Miss., Aves*, p. 141 (1891); *Legge, Proc. Austr. Assoc.* 1892, p. 13; *Barnes, Ibis*, 1893, p. 71 (Aden); *Styan, t. c.* p. 437 (Hainan); *Shelley, Ibis*, 1894, pp. 27, 476 (Nyasaland); *Mann, t. c.* p. 73 (Calcutta distr.); *Pearson & Bidwell, Ibis*, 1894, p. 235 (N. Norway); *Cordeaux, t. c.* p. 374 (Cashmere).

Actitis cinclus, *Brehm, Vog. Deutschl.* p. 648 (1831).

Actitis stagnalis (*nec Gray*), *Brehm, t. c.* p. 649.

Guinetta hypoleuca, *Gray, List Gen. B.* p. 68 (1840).

Totanus macularius ? vel auratus, *Hodgs. Icon. ined. in Brit. Mus., Grall.* pl. 83. fig. 1, no. 368; *id. in Gray's Zool. Misc.* p. 86 (1844).

Actitis empusa, *Gould, P. Z. S.* 1847, p. 222 (Port Essington); *id. B. Austr.* vi. p. 35 (1848); *Reichenb. Vog. Neuholl.* p. 195, no. 526 (1850); *id. Grall.* tab. cccxxxvi. figs. 2955–58 (1850); *Macgill. Narr. Voy. 'Rattlesnake,'* ii. p. 358 (1852); *Cass. Proc. Acad. Nat. Sci. Philad.* 1862, p. 322 (Bonin Isl.); *Ramsay, Proc. Linn. Soc. N. S. W.* i. p. 375 (1877: Duke of York Isl.), p. 394 (Port Moresby); *id. op. cit.* (2) ii. p. 171 (1888: Derby, N.W. Australia).

Actitis megarhynchus, *Brehm, Vogelf.* p. 314 (1855).

Actitis schlegeli, *Bp. C. R.* xliii. p. 597 (1856).

Tringoides empusa, *Gray, P. Z. S.* 1858, p. 197 (New Guinea; N. Australia); *Sel. Journ. Linn. Soc., Zool.* ii. p. 170 (1858); *Gray, P. Z. S.* 1861, p. 438 (Aru Isl.; New Guinea).

Totanus empusa, *Gray, Cat. Mamm. & B. New Guinea*, p. 52 (1859).

Adult male in breeding-plumage. General colour bronzy brown, the feathers with arrow-shaped central markings of black, which take the form of bars on the scapulars and inner secondaries, which are like the back; wing coverts bronzy brown like the back, but regularly barred across with blackish, the median and greater coverts with ashy fringes, the latter rather broadly tipped with white; bastard wing, primary-coverts, and quills brown with an olive gloss, the secondaries tipped with white and having a broad white base; inner secondaries like the back; lower back, rump,

and upper tail-coverts like the back, the lateral coverts barred with blackish and with white on the outer web; tail-feathers bronzy brown, with irregular cross-bars of blackish brown, the middle feathers narrowly, but the outer feathers broadly, tipped with white, the penultimate feather barred with white on the outer web, the outermost feather almost entirely white with a little brown on the inner web, which is barred with blackish; crown of head and neck bronzy brown, with narrow mesial shaft-lines of blackish brown, a narrow superciliary line of whitish, extending from the base of the bill; sides of face bronzy brown, with blackish shaft-lines to the feathers; fore part of cheeks and under surface of body pure white, with dusky streaks on the throat, these being a little larger on the chest, the sides of the latter and sides of upper breast brown; under wing-coverts white, mottled with blackish bases to the feathers, especially distinct on the edge of the wing; axillaries pure white; quills dusky below, white towards the base of the inner web: "bill dusky above, brownish grey beneath; feet greyish, tinged with green, the claws black; iris brown" (*J. Macgillivray*). Total length 8 inches, culmen 1·1, wing 4·1, tail 2, tarsus 0·96.

Adult female in breeding-plumage. Similar to the male in colour, but not quite so heavily marked, and the streaks on the fore-neck and chest less pronounced. Total length 7 inches, culmen 1·1, wing 4·3, tail 2·4, tarsus 0·85.

Adults in winter plumage. A little more bronzy olive than in summer, and uniform above, without the black central streaks and black spear-shaped spots which are characteristic of the summer dress; the streaks on the throat are also much narrower and not so distinct.

Young birds. Easily distinguished by the cross-bars of sandy or reddish buff and dusky brown, which give the upper surface a freckled appearance; the throat uniform, with scarcely any indication of streaks on the lower part.

Hab. The greater part of the Old World, nesting in the north, and migrating in winter to South Africa, India, and Australia.

a. Pull. sk.	Orkneys.	Gould Coll.
b, c. ♂ ♀ ad. st.	Caithness, N.B., June.	Col. Irby & Capt. Reid [P.].
d, e. ♂ ♀ ad. st.	Sutherlandshire.	Col. Irby & Capt. Reid [P.].
f. ♂ ad. sk.	Loch Awe, Scotland, June 12.	Dr. R. B. Sharpe [P.].
g. ♂ ad. sk.	Island of Tiree, May 7.	Col. Irby [P.].
h. Juv. sk.	St. Andrew's, Aug. (*R. G. W. R.*).	Tweeddale Coll.
i. Ad. sk.	Isle of Grain, Aug. 7 (*R. G. W. R.*).	Tweeddale Coll.
k–m. ♂ ♀ ad. et pull. st.	Northumberland, May.	Harting Coll.
n. Pull. sk.	Banks of the Eden, Durham, May.	Gould Coll.

o. ♂ imm. ak.	Breydon, Yarmouth, Sept. 12 (*J. E. Harting*).	Seebohm Coll.
p. Juv. ak.	Aldeburgh, Suffolk.	Theodore Fisher, Esq. [P.].
q, *r*. Ad. st.	Kingsbury Reservoir, Middlesex.	F. Bond Coll.
s, *t*. ♂ ad. ak.	Kingsbury, Aug., Sept. (*J. E. Harting*).	Seebohm Coll.
u. Juv. ak.	Near Maidenhead, Berks, July (*J. G.*).	Gould Coll.
v, *w*. ♂ ad.; *x*. ♀ ad.; *y*. ♀ juv. ak.	Cookham, Berks, April, July, Aug. (*W. Briggs*).	Tweeddale Coll.
z, *a'*. ♂ ad.; *b'*–*e'*. ♂ ♀ juv. ak.	Cookham, April to July (*R. B. S.*).	Dr. R. B. Sharpe [P.].
f'. Ad. st.	Cookham.	Mr. W. Briggs.
g', *h'*. ♂ ♀ ad. ak.	Romney Marsh, Kent, July Sept.	Dr. R. B. Sharpe [P.].
i'. Juv. ak.	Pagham, Sussex, Aug. 31 (*R. B. S.*).	Tweeddale Coll.
k'. Imm. ak.	Pagham, Aug. 16 (*G. E. Shelley*).	Seebohm Coll.
l'. ♂ ad. ak.	Avington, Hants, May.	Sir E. Shelley, Bart. [P.].
m', *n'*. ♂ ad. ak.	Avington, May.	Dr. R. B. Sharpe [P.].
o'. Juv. ak.	Pembrokeshire.	Montagu Coll. (Type of *T. guinetta*, Leach.)
p', *q'*. ♀ ad. ak.	St. Bride's, South Wales, April 22.	Hon. W. Edwardes [P.].
r'. Pull. ak.	Norway.	Gould Coll.
s'–*u'*. ♂ ♀ ad. ak.	River Turia, Valencia, Spain, April 28 (*H. Saunders*).	Tweeddale Coll.
v'. ♂ ad. ak.	Ajaccio, Corsica, Dec. 19 (*C. Bygrave Wharton*).	Seebohm Coll.
w'. ♀ ad. ak.	Sierra Leone, Dec.	G. Stephens, Esq. [P.].
x'. Juv. ak.	Fantee.	Gould Coll.
y'. Ad. ak.	Sweet River, Fantee, Dec. 30 (*H. T. Usher*).	Seebohm Coll.
z'. Juv. ak.	Wassa Province, Gold Coast.	Sir R. Burton & Capt. Cameron [P.].
a''. Juv. ak.	Accra, Feb. (*J. Smith*).	Shelley Coll.
b''. Juv. ak.	Egga, River Niger (*W. A. F.*).	Forbes Coll.
c''. Juv. ak.	Gaboon (*Du Chaillu*).	Tweeddale Coll.
d''. Juv. ak.	River Loge, Ambriz, Angola.	Monteiro Coll.
e''. ♀ ad. ak.	Otjimbinque, Damara-land, Sept. 8 (*C. J. Andersson*).	Seebohm Coll.
f''. ♀ ad. ak.	Potchefstroom, Aug. 15 (*T. Ayres*).	Gurney Coll.
g''. ♀ ad. ak.	Potchefstroom, May 2 (*T. L. Ayres*).	Seebohm Coll.
h''. ♀ ad. ak.	Inyati, Matabele-land, Oct. 2 (*F. Oates*).	W. E. & C. G. Oates, Esqs. [P.].
i''. Juv. ak.	Sibanane, Matabele-land, Dec. 7 (*F. Oates*).	W. E. & C. G. Oates, Esqrs. [P.].

k'', *l''*. ♂ ad.; *m''*. ♀ ad. sk.	Palombe River, Shirwa Plain, Nyasa-land, Oct. (*A. Whyte*).	H. H. Johnston, Esq., C.B. [P.].
n''. Juv. sk.	Upper Shiré River, Nov. (*A. Whyte*).	H. H. Johnston, Esq. C.B. [P.].
o''. ♂ ad. sk.	N.E. Madagascar.	F. Pollen [C.].
p''. ♀ ad. sk.	Mauritius, Jan. 14 (*W. H. F. Power*).	Seebohm Coll.
q'', *r''*. Ad. sk.	Zanzibar (*Sir J. Kirk & E. C. Buxton*).	Seebohm Coll.
s'', *t''*. ♂ ad. sk.	Lado, Equatorial Africa, Feb. 16 (*Emin Pasha*).	Seebohm Coll.
u''. ♂ ad. sk.	Island of Socotra, Feb. 15.	Prof. Balfour [C.].
v''. ♂ ad. sk.	Aden, Oct. 16 (*E. L. Layard*).	Seebohm Coll.
w''. ♀ juv. sk.	Ain, Bogos-land, Aug. 17 (*W. Jesse*).	Tweeddale Coll.
x''. ♂ juv. sk.	Ain, Bogos-land, Aug. 16.	W. T. Blanford, Esq. [C.].
y''. ♀ ad. sk.	Waliko, July 23 (*W. Jesse*).	Seebohm Coll.
z''. Ad. sk.	Egypt.	Sir J. Bowring [C.].
*a*³. ♀ ad. sk.	Egypt, March 3 (*G. E. Shelley*).	Seebohm Coll.
*b*³, *c*³. ♀ ad. sk.	Lake of Gennesaret, Palestine.	Canon Tristram [C.].
*d*³. ♀ ad. sk.	Valley of the Yen-e-sei, June 22 (*H. Seebohm*).	Tweeddale Coll.
*e*³. ♀ imm. sk.	Valley of the Yen-e-sei, Aug. 8 (*H. S.*).	Seebohm Coll.
*f*³. ♂ ad. sk.	Shiraz, Persia, Dec.	Sir O. St. John [C.].
*g*³, *h*³. Juv. sk.	Fao, Persian Gulf, Sept.	W. D. Cumming, Esq. [P.].
*i*³. Juv. sk.	Muscat, Arabia.	Col. Miles [P.].
*k*³. ♀ ad. sk.	Quetta, May 7.	Col. Swinhoe [P.].
*l*³. Ad. sk.	Kelat, Aug. (*O. T. Duke*).	Hume Coll.
*m*³. ♀ ad. sk.	Banks of the River Hubb, Oct. 24.	Hume Coll.
*n*³, *o*³. ♂ ♀ juv. sk.	Karachi, Oct., Dec. (*E. A. Butler*).	Hume Coll.
*p*³. Juv. sk.	Ghiznie, Sind, March (*Dr. H. Gould*).	India Museum.
*q*³. Ad. sk.	Kathiawar, March 24.	Col. Hayes Lloyd [P.].
*r*³. Juv. sk.	Deesa, Sept. (*E. A. Butler*).	Hume Coll.
*s*³, *t*³. ♂ ad.; *u*³. ♀ ad. sk.	Sambhur, Oct., Dec. (*R. M. Adam*).	Hume Coll.
*v*³. Juv. sk.	Delhi, Nov. 9 (*C. T. Bingham*).	Hume Coll.
*w*³. ♀ ad. sk.	Gurgaon, Nov. 20 (*W. N. Chill*).	Hume Coll.
***x*³. Ad. sk.**	**Bhawulpur, Jan. 14 (*C. H. T. Marshall*).**	**Hume Coll.**
***y*³. Juv. sk.**	**Sirsa Distr.**	**Hume Coll.**
*z*³. ♀ ad. sk.	Gilgit, May 13 (*J. Biddulph*).	Hume Coll.
*a*⁴. ♀ ad.; *b*⁴, *c*⁴. ♂ ♀ juv. sk.	Gilgit, May 17.	Col. Biddulph [C.].
*d*⁴. ♀ ad. sk.	Deosai Plain, July.	Col. Biddulph [C.].
*e*⁴. Juv. sk.	Aktag, Oct. 13 (*F. Stoliczka*).	Forsyth Exped.
*f*⁴. ♀ ad. sk.	Bonia, Nov. 4 (*F. Stoliczka*).	Forsyth Exped.

*g*⁴. Juv. sk.	Masuri.	Hume Coll.
*h*⁴, *i*⁴. Juv. sk.	Dhoon, Jan.	Hume Coll.
*k*⁴. Imm. sk.	Almorah, Oct. 12.	Hume Coll.
*l*⁴. Ad. sk.	Kumaon (*Strachey*).	India Museum.
*m*⁴. ♂ ad. sk.	Umbala, Nov. (*R. C. Beavan*).	Tweeddale Coll.
*n*⁴, *o*⁴. ♀ ad. sk.	Allahabad, Jan., March.	Hume Coll.
*p*⁴-*r*⁴. Ad. sk.	Etawah, Feb.	Hume Coll.
*s*⁴. ♂ ad. sk.	Futtehgurh, Sept. 25 (*A. Anderson*).	Hume Coll.
*t*⁴, *u*⁴. ♂ ad. sk.	Futtehgurh, Aug., Oct. (*A. Anderson*).	Seebohm Coll.
*v*⁴. Ad. sk.	Nepal.	Tweeddale Coll.
*w*⁴-*z*⁴. Ad. et juv. sk.	Nepal.	Hodgson Coll.
*b*⁵. Ad. sk.	Nepal Valley, Nov. 27 (*J. Scully*).	Hume Coll.
*c*⁵. Juv. sk.	Native Sikhim, Oct. (*L. Mandelli*).	Hume Coll.
*d*⁵-*h*⁵. Ad. et juv. sk.	Sikhim, Sept., Jan. (*L. Mandelli*).	Hume Coll.
*i*⁵. Ad. sk.	Darjeeling (*Colonel Sharpe*).	Seebohm Coll.
*k*⁵. ♀ ad. sk.	Dibrughur, March 12 (*J. R. Cripps*).	Hume Coll.
*l*⁵. Juv. sk.	Assam (*McClelland*).	India Museum.
*m*⁵. ♂ ad. sk.	Dunsiri Valley, Assam.	Godwin-Austen Coll.
*n*⁵. Juv. sk.	Foot of Miri Hills.	Godwin-Austen Coll.
*o*⁵. Ad. sk.	Mymensing, Dec.	Tweeddale Coll.
*p*⁵. Juv. sk.	Cherrapunji.	Godwin-Austen Coll.
*q*⁵. Ad. sk.	Sylhet.	Godwin-Austen Coll.
*r*⁵. ♂ ad. sk.	Calcutta, Dec.	Col. Biddulph [C.].
*s*⁵. ♀ ad. sk.	Maunbhoom, Dec. 24 (*R. C. Beavan*).	Tweeddale Coll.
*t*⁵, *u*⁵. ♂ ad.; *v*⁵. ♀ ad. sk.	Raipur, Jan.	Hume Coll.
*w*⁵. Ad. sk.	Mhow, April 12.	Col. Swinhoe [P.].
*x*⁵. Ad. sk.	Nerbudda, Dec. 10.	Hume Coll.
*y*⁵. ♂ ad.; *z*⁵, *a*⁶. ♀ ad. sk.	Khandeish, Dec. to Feb. (*J. Davidson*).	Hume Coll.
*b*⁶, *c*⁶. Ad. sk.	Deccan (*Sykes*).	India Museum.
*d*⁶. ♂ ad.; *e*⁶, *f*⁶. ♀ juv. sk.	Ahmednuggur, Oct., Nov. (*S. B. Fairbank*).	Tweeddale Coll.
*g*⁶. Imm. sk.	Mysore (*R. G. W. R.*).	Tweeddale Coll.
*h*⁶. ♀ ad. sk.	Mangalore, April 24 (*Dr. F. Day*).	Hume Coll.
*i*⁶. Ad. sk.	Malabar Coast.	Tweeddale Coll.
*k*⁶. Ad. sk.	Kiltan, Laccadives, Feb. 16 (*A. O. H.*).	Hume Coll.
*l*⁶, *m*⁶. Imm. sk.	Anjango, Travancore, Dec.	Hume Coll.
*n*⁶, *o*⁶. ♀ imm. sk.	Colombo, Ceylon, Sept., Dec. (*W. V. Legge*).	Dr. R. B. Sharpe [P.].
*p*⁶. ♀ ad. sk.	Great Cocos Island, March 24 (*A. O. H.*).	Hume Coll.
*q*⁶-*s*⁶. ♂ ad. et imm. sk.	South Andamans, Jan., March (*R. G. W. R.*).	Tweeddale Coll.
*t*⁶-*v*⁶. ♂ ad.; *w*⁶. ♀ juv. sk.	South Andamans, Aug. (*R. J. Wimberley*).	Hume Coll.
*x*⁶, *y*⁶. ♂ ♀ ad. sk.	Port Mouat, S. Andamans, Dec., April (*W. Davison*).	Hume Coll.

z^6. ♀ imm. sk.	Ross Island, Dec. 15 (*R. G. W. R.*).	Tweeddale Coll.
a^7. Juv. sk.	Ross Island, Dec. 8 (*A. O. H.*).	Hume Coll.
b^7. ♂ imm. sk.	Aberdeen, Dec. 9 (*A. O. H.*).	Hume Coll.
c^7. ♂ ad. sk.	Escape Bay, Macpherson's Straits, March 7 (*A. O. H.*).	Hume Coll.
d^7. ♀ ad. sk.	Jolly Boys Island, March 8 (*W. Davison*).	Hume Coll.
e^7–g^7. Ad. sk.	Nicobar Islands.	Tweeddale Coll.
h^7. ♀ juv. sk.	Camorta, Nicobars, Jan. 19 (*W. Davison*).	Hume Coll.
i^7. ♀ ad. sk.	Tillangchong, Nicobars, March 10 (*W. Davison*).	Hume Coll.
k^7. ♀ ad. sk.	Great Nicobar, March 12 (*W. Davison*).	Hume Coll.
l^7–n^7. ♂ ♀ ad. sk.	Tonghoo, Burma, Oct., Dec. 19 (*R. G. W. R.*).	Tweeddale Coll.
o^7, p^7. Ad. sk.	Pegu, Aug., Feb. (*E. W. O.*).	Oates Coll.
q^7. ♂ ad. sk.	Elephant Point, Dec. 19 (*J. Armstrong*).	Hume Coll.
r^7. ♂ ad. sk.	Sittang River, Feb. 4 (*W. Davison*).	Hume Coll.
s^7. ♀ ad. sk.	Kyouknyat, Jan. 28 (*W. Davison*).	Hume Coll.
t^7–v^7. ♂ ad. sk.	Kaukaryit, Oct. (*J. Darling*).	Hume Coll.
w^7. ♀ ad. sk.	Wippitan, Dec. 8 (*W. Davison*).	Hume Coll.
x^7. ♂ ad.; y^7, z^7. ♀ ad. sk.	Thatone, Oct., Dec. (*W. Davison*).	Hume Coll.
a^8. ♀ ad. sk.	Amherst, March 4 (*W. Davison*).	Hume Coll.
b^8, c^8. ♂ ♀ ad. sk.	Moulmein, Jan. 7 (*J. Darling*).	Hume Coll.
d^8, e^8. ♂ ♀ ad. et juv. sk.	Mergui, Nov., Jan. (*W. Davison*).	Hume Coll.
f^8. ♂ ad. sk.	Assoon, Feb. (*W. Limborg*).	Tweeddale Coll.
g^8. Ad. sk.	Siam (*Mouhot*).	Tweeddale Coll.
h^8. ♀ ad. sk.	Kopah River, Jan. 15 (*W. Davison*).	Hume Coll.
i^8, k^8. ♂ ad. sk.	Girbee, Sept. (*J. Darling*).	Hume Coll.
l^8. ♀ ad. sk.	Tapraw, April 17 (*J. Darling*).	Hume Coll.
m^8. ♂ ad.; n^8–p^8. ♀ ad. sk.	Tonkah, Jan. (*J. Darling*).	Hume Coll.
q^8. Ad. sk.	Penang (*Dr. Cantor*).	India Museum.
r^8. Ad. sk.	Penang.	Wallace Coll.
s^8, t^8. ♂ ad.; u^8. ♀ ad. sk.	Jerome, Salangore, Aug., Dec. (*W. Davison*).	Hume Coll.
v^8, w^8. Ad. sk.	Malacca (*Dr. Cantor*).	India Museum.
x^8. Imm. sk.	Malacca, July (*W. Davison*).	Hume Coll.
y^8. ♂ ad. sk.	Mount Ophir, Malacca, Aug. 15 (*R. G. W. R.*).	Tweeddale Coll.
z^8. ♂ imm. sk.	Chohong, Oct. 12 (*W. Davison*).	Hume Coll.
a^9, b^9. ♂ ♀ ad. sk.	Ding Ding Islands, Feb. (*W. Davison*).	Hume Coll.
c^9, d^9. ♂ imm. sk.	Gunnong Pulai, Johore, Aug., Sept. (*W. Davison*).	Hume Coll.

e^2–g^2. ♂ ad.; h^2, i^2. ♀ ad. sk.	Singapore Island, Sept., Dec., Feb., May (*W. Davison*).	Hume Coll.
k^2–m^2. Ad. sk.	Java (*Horsfield*).	India Museum.
n^2, o^2. ♂ ♀ ad. sk.	Java (*Leyden Mus.*).	Salvin-Godman Coll.
p^2, q^2. Ad. sk.	Java.	Tweeddale Coll.
r^2, s^2. Ad. sk.	Lampong, S.E. Sumatra (*E. C. Burton*).	Tweeddale Coll.
t^2. ♂ juv.; u^2. ♀ ad. sk.	Mount Sago, Sumatra, Sept. (*Carl Bock*).	Tweeddale Coll.
v^2, w^2. ♂ ♀ ad. sk.	Monte Alban, Luzon, Feb. (*A. H. Everett*).	Tweeddale Coll.
x^2. ♀ ad. sk.	Camiguin.	Voy. H.M.S. 'Challenger.'
y^2. ♂ ad. sk.	Dumaguete, Negros, Feb.	E. C. Moseley, Esq. [C.].
z^2. ♂ ad. sk.	Cebu, April (*A. H. Everett*).	Tweeddale Coll.
a. ♂ ad. sk.	Zamboanga.	Voy. H.M.S. 'Challenger.'
β, γ. ♀ ad. sk.	Butuan, May (*A. H. Everett*).	Tweeddale Coll.
δ. ♂ juv. sk.	N. Bohol, Oct. (*A. H. Everett*).	Tweeddale Coll.
ϵ. ♀ ad. sk.	Menado, N. Celebes (*A. R. Wallace*).	Seebohm Coll.
ζ, η. Ad. sk.	Flores.	Wallace Coll.
θ. ι. Ad. sk.	E. Timor.	Wallace Coll.
κ. Ad. sk.	Morty Island.	Wallace Coll.
λ, μ. ♂ ad. sk.	Batchian.	Wallace Coll.
ν. ♀ ad. sk.	Amboina.	Voy. H.M.S. 'Challenger.'
ξ, o. Ad. sk.	Mysol (*A. R. Wallace*).	Tweeddale Coll.
π. Ad. sk.	New Guinea.	Wallace Coll.
ρ. ♂ ad. sk.	Ké Doulan.	Voy. H.M.S. 'Challenger.'
σ. Ad. sk.	Aru Islands.	Voy. H.M.S. 'Challenger.'
τ, υ. ♀ ad. et juv. sk.	Duke of York Island (*G. Brown*).	Tweeddale Coll.
ϕ, χ, ψ. Ad. sk.	New Ireland (*J. Brazier*).	P. L. Sclater, Esq. [P.].
ω. ♀ juv. sk.	Admiralty Islands.	Voy. H.M.S. 'Challenger.'
a' c'. Ad. sk.	Queensland (*J. T. Cockerell*).	Salvin-Godman Coll.
ζ'. Ad. sk.	New South Wales.	Australian Mus. [P.].
η'. Ad. sk.	N.W. Australia (*T. H. Bowyer Bower*).	Capt. Bowyer Bower [P.].
θ'. ♀ ad. sk.	Manchuria, June 16.	H. E. M. James, Esq. [P.].
ι', κ'. ♀ ad. sk.	Tsu-shima, April, May (*Holst*).	Seebohm Coll.
λ'. Imm. sk.	Japan.	Gould Coll.
μ', ν'. ♂ ♀ ad. sk.	Hakodadi, April, May (*Capt. Blakiston*).	Seebohm Coll.
ξ', o'. ♂ ad. sk.	Nagasaki, Jan. 18.	F. Ringer, Esq. [P.].
π'. ♀ ad. sk.	Nagasaki, Sept.	Seebohm Coll.
ρ' υ'. Ad. sk.	Yokohama (*H. Pryer*).	Seebohm Coll.
ϕ'. ♂ juv. sk.	Shanghai, Oct. 25 (*Capt. Ince*).	Gould Coll.

χ'. Ad. sk.	Shanghai.	J. Webb, Esq. [P.]
ψ'. Ad. sk.	Tongsan, Dec. 17 (*R. Swinhoe*).	Seebohm Coll.
ω'. ♀ ad. sk.	Kiukiang, Aug. 30.	F. W. Styan, Esq. [P.]
α''. Ad. sk.	Canton.	Tweeddale Coll.
β''. Ad. sk.	Canton (*S. Bligh*).	Seebohm Coll.
γ''. Ad. sk.	Amoy (*Consul Swinhoe*).	Salvin-Godman Coll.
δ'–$''$. Ad. et imm. sk.	Amoy, Jan., Feb., March, Oct., Nov. (*R. S.*).	Seebohm Coll.
ϵ', κ''. Ad. sk.	Formosa, Feb. (*R. S.*).	Seebohm Coll.
λ''. Skull.	England.	J. Ray, Esq. [P.]
μ'. Sternum.	England.	J. Ingall, Esq. [P.]
ν''. Skull.	S. Germany.	Dr. Günther [C.]
ξ''. Bones of trunk.	Nepal.	Hodgson Coll.

2. Tringoides macularia.

The Spotted Sandpiper.

The Spotted Tringa, *Edwards, Gleanings of Nat. Hist.* ii. p. 139, pl. 277 (1740).

La Grive-d'eau, *Briss. Orn.* v. p. 255 (1760); *Buff. Hist. Nat. Ois.* viii. p. 140 (1781).

Tringa macularia, *Linn. Syst. Nat.* i. p. 249 (1766); *Gm. Syst. Nat.* i. p. 672 (1788); *Lath. Ind. Orn.* ii. p. 734 (1790); *Wilson, Amer. Orn.* vii. p. 60, pl. 59. fig. 1 (1813); *Bryant, Proc. Bost. Soc. Nat. Hist.* x. p. 257 (1866: Porto Rico); *Léol. Ois. Trinid.* p. 458 (1866).

Spotted Sandpiper, *Penn. Arct. Zool.* ii. p. 473 (1785); *Lath. Gen. Syn.* iii. pt. 1, p. 179 (1785).

Totanus nacularius, *Temm. Man. d'Orn.* p. 422 (1815); *Vieill. N. Dict. d'Hist. Nat.* vi. p. 406 (1816); *Temm. Man. d'Orn.* 2nd ed. ii. p. 656 (1820); *Boie, Isis*, 1822, p. 560; *Werner, Atlas, Grall.* pl. 23 (1827); *Fleming, Brit. Anim.* p. 103 (1828); *Brehm, Vög. Deutschl.* p. 646 (1831); *Swains. Faun. Bor.-Amer., Birds*, p. 394 (1831); *Jenyns, Man. Brit. Vertebr.* p. 199 (1835); *Gould, B. Eur.* iv. pl. 317 (1837); *Audub. Orn. Biogr.* iv. p. 81, pl. 310 (1838); *id. B. Amer.* 8vo, v. p. 303, pl. 342 (1842); *Giraud, B. Long Isl.* p. 257 (1844); *Gray, List Grall. Brit. Mus.* p. 102 (1844); *Thomps. B. Irel.* ii. p. 216 (1850); *Lembeye, Av. Cuba*, p. 94 (1850); *Putnam, Proc. Ess. Inst.* i. p. 217 (1856: Essex Co., Mass.); *Trippe, op. cit.* vi. p. 119 (1871: Minnesota); *Gray, B. West Scotl.* p. 299 (1871); *Saunders, ed. Yarrell's Brit. B.* iii. p. 452 (1883); *Seebohm, Hist. Brit. B.* iii. p. 122, pl. 30 (1885); *id. Geogr. Distr. Charadr.* p. 372 (1888); *Saunders, Man. Brit. B.* p. 592 (1889); *Feilden, Ibis*, 1889, p. 496 (Barbados, July, Aug.); *Gatke, Vogelw. Helgol.* p. 512 (1891); *Seebohm, Ibis*, 1891, p. 24 (Heligoland); *Hartert, Ibis*, 1893, p. 325 (Curaçao).

Actitis macularia, *Boie, Isis*, 1826, p. 979; *Naum. Vög. Deutschl.* viii. p. 34, tab. 195 (1836); *Bp. Comp. List B. Eur. & N. Amer.* p. 51 (1838); *Keys. & Blas. Wirb. Eur.* p. lxxiii (1840); *Schl. Rev. Crit.* p. xci (1844); *Tschudi & Cab. Faun. Peruan., Aves*, p. 51 (1844–46); *Gosse, B. Jamaica*, p. 349 (1847); *Macgill. Brit. B.* iv. p. 356 (1852); *Licht. Nomencl. Av. Mus. Berol.* p. 92 (1854); *Bp. C. R.* xliii. p. 597 (1856); *Schl. Mus. Pays-Bas, Scolopaces*, p. 83 (1864); *Degl. & Gerbe, Orn. Eur.* ii. p. 229 (1867); *Sundev. Öfv. K. Vet.-Akad. Förh. Stockh.* 1869, p. 587 (St. Bartholomew), p. 602 (Porto Rico); *Finsch, Abhandl. nat. Ver.*

Bremen, iii. p. 63 (1872: Alexandrovsk); *Gould, B. Gt. Brit.* iv. pl. 59 (1873); *Tacz. P. Z. S.* 1877, p. 330; *Turner, Proc. U.S. Nat. Mus.* viii. p. 247 (1885: Labrador); *Ridgw. t. c.* p. 581 (Cozumel); *Tacz. Orn. Pérou*, iii. p. 369 (1886: Tumbez; Huambo); *A. O. U. Check-l. N. Amer. B.* p. 158 (1886); *Brewst. Auk*, iii. p. 102 (1886: N.W. Carolina); *Seton, t. c.* p. 152 (Manitoba); *Fox, t. c.* p. 320 (Roane Co., Tennessee); *Scott, t. c.* p. 386 (Tucson, Arizona); *Cory, t. c.* p. 502 (Grand Cayman); *Wells, Proc. U.S. Nat. Mus.* ix. p. 628 (1887: Granada); *Tocus. op. cit.* x. pp. 160, 235 (1887: Eagle Lake, California); *Ridgw. t. c.* p. 584 (Honduras); *Beckh. t. c.* pp. 637, 653 (Bexar Co., Texas); *Nelson, Rep. Nat. Hist. Coll. Alaska*, p. 120 (1887); *Towns. Auk* iv. p. 12 (1887: N. Alaska); *Dwight, t. c.* p. 16 (Cape Breton); *Chadb. t. c.* p. 103 (Peabody River, White Mountains); *Langdon, t. c.* p. 129 (Chilhowee Mountains, Tennessee); *Cory, t. c.* p. 180 (Old Providence), p. 181 (St. Andrew's); *Lloyd, t. c.* p. 186 (Western Texas); *Richm. Auk*, v. p. 20 (1888: District Columbia); *Merrill, t. c.* p. 145 (Fort Klamath, Oregon); *Faron, t. c.* p. 145 (New Hampshire), p. 151 (Franconia), *Chapm. t. c.* p. 270 (Gainsville, Florida); *Everm. t. c.* p. 349 (Indiana); *Brewst. t. c.* p. 380 (Massachusetts); *Cory, B. West Ind.* p. 239 (1889); *id. Auk*, vi. pp. 31, 32 (1889: Little Cayman; Cayman Brac); *Faron, t. c.* p. 43 (Berkshire Co., Mass.); *Allen, t. c.* pp. 70, 78 (New Hampshire); *Brittain & Cox, t. c.* p. 117 (Restigouche Valley, New Brunswick); *Butcher, t. c.* p. 128 (Little Gull Isl., N.Y.); *Bishop, t. c.* (Magdalen Isl.); *Scott, t. c.* p. 158 (Tarpon Springs, Florida); *Hasbrouck, t. c.* p. 237 (Texas); *Pindar, t. c.* p. 313 (Kentucky); *Thomps. Proc. U.S. Nat. Mus.* xiii. p. 505 (1890: Manitoba); *Merriam, N. Amer. Faun.* no 3, p. 88 (1890: San Francisco Mountains, Aug., Sept.); *Warren, B. Pennsylv.* p. 94 (1890); *Mearns, Auk*, vii p. 52 (1890: Arizona); *Scott, t. c.* p. 308 (Dry Tortugas); *Clarke, t. c.* p. 321 (Fort Churchill); *Shiek, t. c.* p. 328 (Seven Mile Beach, N.Y.); *Cherrie, t. c.* p. 332 (Costa Rica); *Merriam, N. Amer. Faun.* no 5, p. 92 (1891: Idaho); *Cory, Auk*, viii p. 48 (1891: Guadeloupe); *Northrop, t. c.* p. 77 (Andros Isl.); *Brewst. & Chapm. t. c.* p. 163 (Santarem); *Cory, t. c.* p. 295 (Berry Isl.); *Berl. & Stolzm. P. Z. S.* 1892, pp. 395, 408 (Lima); *Scott, Auk*, ix. p. 14 (1892: Jamaica); *Laur. t. c.* p. 43 (Gray's Harbour); *Scott, t. c.* p. 212 (Calosahatchie Region, Florida); *Attwater, t. c.* p. 232 (San Antonio); *Cherrie, t. c.* p. 329 (Costa Rica); *Cory, Cat. B. West Ind.* p. 94 (1892); *Dwight, Auk*, x. p. 8 (1893: Prince Edward Isl.); *Todd, t. c.* p. 38 (Indiana); *White, t. c.* p. 320 (Mackinac Isl.); *Fisher, N. Amer. Faun.* no. 7, p. 23 (1893: Death Valley Exped.); *Richm. Proc. U.S. Nat. Mus.* xvi. p. 526 (1893: Escondido R., Nicaragua, July to May); *Field, Auk*, xi p. 123 (1894: Port Henderson, Jamaica); *Stone, t. c.* p. 136 (Pine Barrens, N.Y.); *Richm. & Knowlt. t. c.* p. 302 (Montana).

Spotted Tattler or Peet Weet, *Nutt. Man. Orn.* ii p. 162 (1834).

Tringoides macularius, *Gray, Gen. B.* iii. p. 574 (1846); *Sel. P. Z. S.* 1858, p. 401 (Ecuador); *Baird, B. N. Amer.* p. 735 (1858); *Henry, Proc. Acad. Nat. Sci. Philad.* 1859, p. 108 (Rio Grande Valley, New Mexico); *Xantus, t. c.* p. 192 (Fort Tejon, Calif.); *Sel. & Salv. Ibis*, 1859, p. 330; *Newton, t. c.* p. 257 (St. Croix); *Brewer, Proc. Bost. Soc. Nat. Hist.* vii. p. 308 (1860: Cuba); *Sel. P. Z. S.* 1860, p. 254 (Orizaba); *Coues, Proc. Acad. Nat. Sci.* 1861, p. 235 (Labrador, breeding); *Lawr. Ann. Lyc. N. Y.* vii. p. 334 (1861:

Panama); *Scl. P. Z. S.* 1861, p. 80 (Jamaica); *Albrecht. J. f. O.* 1862, p. 205; *Blakist. Ibis*, 1863, p. 134 (Mackenzie R.); *Gray. Cat. Brit. B.* p. 160 (1863); *Taylor, Ibis*, 1864, p. 93 (Trinidad); *Dresser. Ibis*, 1866, p. 38 (Matamoras, Aug.: San Antonio, Sept., Oct.); *McIlwr. Proc. Ess. Inst.* v. p. 93 (1866: Hamilton, Canada West); *Lawr. Ann. Lyc. N. Y.* viii. p. 294 (1876: Long Isl., N. Y.); *Coues, Proc. Acad. Nat. Sci. Philad.* 1866, p. 98 (Colorado R., Arizona); *Léot. Ois. Trinid.* p. 461 (1866); *Scl. & Salv. P. Z. S.* 1867, p. 592 (Mexiana), 1868, p. 629 (Venezuela); *Lawr. Ann. Lyc. N. Y.* ix. p. 142 (1868: Costa Rica); *Dall & Bann. Trans. Chic. Acad.* i. p. 293 (1869: Nulato, May; St. Michael's, autumn; Sitka); *Stephens, U.S. Geol. Surv. Terr.* 1870, p. 466 (Wyoming); *Allen, Bull. Mus. C. Z.* ii. p. 356 (1871: Florida); *Pelz. Orn. Bras.* p. 309 (1871: Sapitiba; Ypanema: Paranagua; Maribatanas; Cajutuba); *Gray, Hand-l. B.* iii. p. 46, no. 10280 (1871); *Harting. Handb. Brit. B.* p. 139 (1872); *Semper, P. Z. S.* 1872, p. 653 (Santa Lucia); *Trippe, Proc. Bost. Soc. Nat. Hist.* xv. p. 241 (1872: South Iowa); *Aiken, t. c.* p. 210 (Wyoming); *Allen, Bull. Mus. C. Z.* iii. p. 182 (1872); *Merriam, U.S. Geol. Surv. Terr.* 1872, p. 701 (Idaho); *Coues, Key N. Amer. B.* p. 260 (1872); *Snow, B. Kansas*, p. 10 (1873); *Scl. & Salv. Nomencl. Av. Neotr.* p. 146 (1873); *Allen, Proc. Bost. Soc. Nat. Hist.* xvii. p. 66 (1874: Missouri); *Coues, B. N.-West*, p. 501 (1874: Wind River); *Lawr. Mem. Bost. Soc. Nat. Hist.* ii. p. 309 (1874: Colima); *Hensh. Rep. Zool. Expl. 100th Merid.* p. 460 (1875); *Gundl. J. f. O.* 1875, p. 325 (Cuba); *Lawr. Bull. U.S. Nat. Mus.* no. 4, p. 48 (1876: Tehuantepec City); *Reid, Zool.* 1877, p. 478 (Bermudas); *Boucard, P. Z. S.* 1878, p. 44 (Costa Rica); *Coues, Bull. U.S. Geol. Surv.* iv. p. 644 (1878: Dakota, June: Moose R., Aug.); *Merrill, Proc. U.S. Nat. Mus.* i. p. 162 (1878: South Texas); *Lawr. t. c.* p. 67 (Dominica), p. 197 (St. Vincent), p. 276 (Grenada), p. 300 (Martinique); *Belding, t. c.* pp. 392, 441 (Central California); *Maynard, B. East. N. Amer.* p. 391 (1879); *Scl. & Salv. P. Z. S.* 1879, p. 547 (Antioquia); *Brown, Bull. Nutt. Orn. Club*, iv. p. 13 (1879: Alabama River); *Scott, t. c.* p. 147 (Western Missouri); *Loomis, t. c.* p. 217 (S. Carolina); *Allen, op. cit.* v. p. 169 (1880: Santa Lucia); *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 201 (1880); *Cory, B. Bahamas*, p. 162 (1880); *Lister, Ibis*, 1880, p. 44 (St. Vincent); *A. & E. Newton, Handb. Jamaica*, p. 115 (1881); *Coues, Check-list N. Amer. B.* p. 103 (1882); *Tacz. P. Z. S.* 1882, p. 49 (N.E. Peru); *Salvin, P. Z. S.* 1883, p. 429; *Berl. & Tacz. t. c.* p. 577 (Western Ecuador); *B. O. U. List Brit. B.* p. 174 (1883); *Belding, Proc. U.S. Nat. Mus.* v. pp. 545, 548 (1883: Lower California); *Stearns, op. cit.* vi. p. 119 (1883: Labrador); *Nutting, t. c.* p. 879 (Nicaragua); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 301 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 640 (1884); *Dutcher, Auk*, i. p. 175 (1884: Long Isl.); *Cory, B. S. Domingo*, p. 148 (1885); *Drew, Auk*, ii. p. 18 (1885: Colorado); *Lawr. Proc. U.S. Nat. Mus.* viii. p. 623 (1885: Guadeloupe); *Salvin, Ibis*, 1885, p. 194 (Cozumel, April); *Tacz. & Berl. P. Z. S.* 1885, p. 124 (Ecuador); *Salvin, Ibis*, 1886, p. 180 (Bartica Grove; Camacusa); *Hensh. Auk*, iii. p. 80 (1886: New Mexico, 8000 ft., breeding); *Beckh. t. c.* p. 143 (Colorado); *Agersb. t. c.* p. 286 (S.E. Dakota); *Salvin, Ibis*, 1889, p. 379 (Cozumel Isl.); *Cory, B. Bahamas*, 2nd ed. p. 162 (1890).

Actiturus macularius, *Reichenb. Grall.* tab. lxxiv. fig. 591, ccclviii. figs. 2811-12 (1850).
Actitis notata, *Bp. C. R.* xliii. p. 507 (1856).
Tringites macularius, *Scl. & Salv. P. Z. S.* 1873, p. 309 (Chamicuros).
Totanus hypoleucus, var. macularius, *Ridgw. Ann. Lyc. N. Y.* x. p. 384 (1874: Illinois).

Adult male in breeding-plumage. Similar to *T. hypoleucus*, but much more strongly barred with black on the upper surface, and thickly spotted with black underneath; the size is also smaller, and, in the skin, the bill is almost entirely fleshy yellow; the inner secondaries likewise show less white than in the allied species: "bill greenish-olive above, yellow beneath, the point of both mandibles black; feet pale yellowish flesh-colour, claws black; iris hazel" (*J. J. Audubon*). Total length 6·5 inches, culmen 1, wing 4, tail 1·85, tarsus 0·85.

Adult female in breeding-plumage. Similar to the male, and quite as heavily spotted below. Total length 6·5 inches, culmen 0·95, wing 4·1, tail 2, tarsus 0·85.

Young. Differs from the adult in being more olive-brown, and entirely wanting the black spots of the under surface; the upper surface barred across with reddish brown and black. It, therefore, closely resembles *T. hypoleucus* in young and winter plumages, but may be distinguished by the more yellow mandible, and by having the broad sub-terminal band continuous throughout the secondaries, instead of having the inner secondaries for the most part white.

Adult in winter plumage. More olive-brown than in summer, and lacking the bronzy shade; the under surface of the body white, with few or no shaft-lines of brown on the fore-neck and chest, and having the sides of the upper breast ashy brown.

Young in down. Above yellowish grey, with a narrow black dorsal stripe from the bill to the tail: a narrow black line through the eye: beneath dull white. (*Ridgway.*)

Hab. North America generally, migrating south in winter through Central America and the West Indies to Amazonia and Brazil. Accidental in Europe.

a. Ad. sk.	[Sussex.]	Hume Coll.
b. Ad. st.	Kent.	Harting Coll.
c. Ad. st.	Kingsbury Reservoir, Middlesex.	F. Bond Coll.
d. Ad. sk.	Spitsbergen.	The Admiralty [P.].
e. ♀ ad. sk.	Hayes River, Hudson's Bay, Oct. (*J. Krider*).	Seebohm Coll.
f. Ad. sk.	Hudson's Bay.	Gould Coll.
g. Ad. sk.	Toronto.	Seebohm Coll.
h, *i*. ♂ ♀ ad.; *k*. Pull. sk.	Canada.	Salvin-Godman Coll.
l. ♂ ad. sk.	New Brunswick.	Seebohm Coll.
m, *n*. ♂ ad. sk.	Fort Simpson.	R. R. Ross, Esq. [P.].
o, *p*. ♂ ad. sk.	Lake of Woods, Manitoba, July (*G. Dawson*).	N. A. Bound. Comm.

q. ♂ ad.; *r*, *s*. ♀ ad. sk.	Locust Grove, New York, April, May (*C. H. Merriam*: *Hensy. Coll.*).	Salvin-Godman Coll.
t. ♂ ad.; *u*, *v*. ♂ ♀ juv. sk.	Lyons Falls, N. Y., June, July, Oct. (*A. J. Dayan*: *Hensh. Coll.*).	Salvin-Godman Coll.
w. ♂ ad. sk.	Leyden, N. Y., Sept. 9 (*C. H. M.*: *Hensh. Coll.*).	Salvin-Godman Coll.
x. Ad. sk.	New Jersey.	Hume Coll.
y. Ad. sk.	New Jersey.	Seebohm Coll.
z. ♂ ad. sk.	Wellesley, Mass., June (*H. W. H.*).	Salvin-Godman Coll.
a'. ♂ juv. sk.	Cambridge, Mass., Aug. 5 (*H. W. H.*).	Salvin-Godman Coll.
b'. ♂ ad. sk.	New Haven, Connecticut, May 15 (*A. J. Dayan*: *Hensh. Coll.*).	Salvin-Godman Coll.
c', *d'*. ♂ ad.; *e'*. ♀ ad. sk.	Pennsylvania (*J. Krider*).	Seebohm Coll.
f'–*l'*. ♀ ad. sk.	Washington, D.C., April, May (*H. W. H.*).	Salvin-Godman Coll.
m', *n'*. ♂ ♀ ad. sk.	Rock Creek, D.C., April, May (*E. Coues*).	Salvin-Godman Coll.
o'. ♂ ad.; *p'*. Juv.; *q'*. Pull. sk.	Illinois, June, Aug. (*H. K. Coale*: *Hensh. Coll.*).	Salvin-Godman Coll.
r'. ♂ ad. sk.	Colorado Springs, Colorado, May 27 (*H. W. H.*).	Salvin-Godman Coll.
s', *t'*. ♂ ♀ pull. sk.	Santa Fé Mts., New Mexico, July 21 (*H. W. H.*).	Salvin-Godman Coll.
u'. ♂ ad. sk.	Snake River, Idaho, July 18 (*C. H. Merriam*: *Hensh. Coll.*).	Salvin-Godman Coll.
v', *w'*. ♂ ♀ ad.; *x'*, *y'*. Imm. sk.	British Columbia.	J. K. Lord, Esq. [P.].
z'. Ad. sk.	California.	Lord Walsingham [P.].
a''. ♀ ad. sk.	Hidalgo, Texas, April (*F. B. Armstrong*).	Salvin-Godman Coll.
b'', *c''*. ♂ ad.; *d''*, *e''*. ♀ imm. sk.	Corpus Christi, Texas, May, Oct. (*F. B. Armstrong*).	Salvin-Godman Coll.
f'', *g''*. ♂ ♀ ad. sk.	Tarpon Springs, Florida, April, May (*W. E. D. Scott*).	Salvin-Godman Coll.
h''. Juv. sk.	Bermuda, Nov. 23.	Capt. Savile Reid [C.].
i''. ♂ ad. sk.	Nuevo Leon, April (*F. B. Armstrong*).	Salvin-Godman Coll.
k''. ♂ imm. sk.	Rio de Iglesias, Chihuahua, Dec. (*W. Lloyd*).	Salvin-Godman Coll.
l''–*n''*. ♂ ad.; *o''*, *p''*. Juv. sk.	Zacatecas, Aug. (*W. B. Richardson*).	Salvin-Godman Coll.
q'', *r''*. ♂ ♀ ad.; *s''*–*u''*. ♂ ♀ juv. sk.	Aguas Calientes, Aug. (*W. B. R.*).	Salvin-Godman Coll.
v''. ♀ ad. sk.	Colotlan, Jalisco, March 22 (*W. B. R.*).	Salvin-Godman Coll.
w''. ♂ ad. sk.	Bolaños, Jalisco, March 12 (*W. B. R.*).	Salvin-Godman Coll.

x''-y''. ♂ ♀ ad. sk.	Puebla, March, May (*Ferrari-Perez*).	Salvin-Godman Coll.
z''. ♀ ad. sk.	San Lorenzo, Cordova, Mar. 11 (*Ferrari-Perez*).	Salvin-Godman Coll.
a^3. Imm. sk.	Dos Arroyos, Guerrero, Sept. (*Mrs. H. H. Smith*).	Salvin-Godman Coll.
b^3, c^3. Imm. sk.	Acapulco, Guerrero, Sept. (*Mrs. H. H. Smith*).	Salvin-Godman Coll.
d^3. Ad. sk.	Amula, Guerrero, Aug. (*Mrs. H. H. Smith*).	Salvin-Godman Coll.
e^3, f^3. ♂ ad. sk.	Tehuantepec, Feb. (*W. B. Richardson*).	Salvin-Godman Coll.
g^3, h^3. ♂ ♀ ad. sk.	Chimalapa, March (*W. B. Richardson*).	Salvin-Godman Coll.
i^3, k^3. Ad. sk.	Sola, Oaxaca, April (*M. Trujillo*).	Salvin-Godman Coll.
l^3, m^3. ♀ ad. sk.	Juchatengo, Oaxaca, April (*M. Trujillo*).	Salvin-Godman Coll.
n^3, o^3. Ad. sk.	Tamesi, Tampico, March (*W. B. R.*).	Salvin-Godman Coll.
p^3. Ad. sk.	Laguna Verde, Vera Cruz, Sept (*M. Trujillo*).	Salvin-Godman Coll.
q^3. ♀ ad. sk.	La Antigua, Sept. (*M. Trujillo*).	Salvin-Godman Coll.
r^3. Ad. sk.	Teapa, Feb. (*Mrs. H. H. Smith*).	Salvin-Godman Coll.
s^3. ♀ ad. sk.	Tizimin, N. Yucatan, May 16 (*G. F. Gaumer*).	Salvin-Godman Coll.
t^3, u^3. Ad. sk.	Cozumel Island, May (*G. F. Gaumer*).	Salvin-Godman Coll.
v^3, w^3. Ad. sk.	Ruatan Island (*G. F. Gaumer*).	Salvin-Godman Coll.
x^3, y^3. Juv. sk.	Yzabel, Guatemala, Sept. (*O. S.*).	Salvin-Godman Coll.
z^3. ♂ ad. sk.	Dueñas, Sept. 2 (*O. S.*).	Salvin-Godman Coll.
a^4 [illegible] ♂ ad ; d^4, e^4 ; ad. sk	Panajachel, Guatemala, Dec. (*W. B. Richardson*).	Salvin-Godman Coll.
f^4. ♂ ad. sk.	La Libertad, San Salvador, Feb. 5 (*W. B. R.*).	Salvin-Godman Coll.
g^4, h^4. ♂ ad. sk.	Momotombo, Nicaragua, May 22 (*W. B. R.*).	Salvin-Godman Coll.
i^4. ♀ ad. sk.	San José, Costa Rica, Jan. 14 (*J. Carmiol*).	Salvin-Godman Coll.
k^4. Ad. sk.	Irazu Distr., Costa Rica (*H. Rodgers*).	Salvin-Godman Coll.
l^4. ♀ ad. sk	Lion Hill, Panama (*J. M. Lennan*).	Salvin-Godman Coll.
m^4, n^4. Ad. sk.	Jamaica.	Gosse Coll.
o^4. Ad. sk	Santa Lucia (*Semper*).	Salvin-Godman Coll.
p^4 t^4. ♂ ♀ ad ; u^4 v^4. Juv. sk.	St Vincent, W. I., May-Aug (*Mrs. H. H. Smith*).	Salvin-Godman Coll.
y^4 c^5. ♂ ♀ ad. sk.	Grenada, W. I., March, April, Aug. (*Mrs. H. H. Smith*).	Salvin-Godman Coll.
d^5. Ad. sk.	Trinidad.	Purchased.
e^5. Ad. sk.	Cayenne.	H. C. Rothery, Esq. [illegible]

f^3, g^3. ♂ ♀ ad. sk.	Bartica Grove, British Guiana, April, Sept. (*H. Whitely*).	Seebohm Coll.
h^3, i^3. Ad. et juv. sk.	Bartica Grove, Sept. (*H. Whitely*).	Salvin-Godman Coll.
k^3. ♂ ad. sk.	River Carimang, British Guiana, Apr. (*H. Whitely*).	Salvin-Godman Coll.
l^3. ♂ ad. sk.	Camacusa, British Guiana, May (*H. Whitely*).	Salvin-Godman Coll.
m^3. ♂ ad. sk.	Merida, Venezuela (*A. Goering*).	Salvin-Godman Coll.
n^3. ♂ ad. sk.	Valle Dupar, U.S. Colombia, Sept. 25 (*F. Simons*).	Salvin-Godman Coll.
o^3. Ad. sk.	Balzar Mts., Ecuador (*Illingworth*).	Salvin-Godman Coll.
p^3. Imm. sk.	Intaj, Ecuador (*C. Buckley*).	Salvin-Godman Coll.
q^3. Ad. sk.	Sarayacu, Ecuador (*C. Buckley*).	Salvin-Godman Coll.
r^3. Imm. sk.	Island of Puna.	G. Barclay, Esq. [P.].
s^3. Ad. sk.	Para, Lower Amazon.	R. Graham, Esq. [P.].
t^3. Ad. sk.	Island of Mexiana, Dec. (*A. R. Wallace*).	Salvin-Godman Coll.
u^3. Imm. sk.	Bahia, Brazil (*Dr. Wucherer*).	Salvin-Godman Coll.
v^3. Imm. sk.	Santa Fé, Minas Geraes, Brazil (*H. Rogers*).	Salvin-Godman Coll.

51. TEREKIA.

	Type.
Xenus, *Kaup, Natürl. Syst.* p. 115 (1829; *nec Ross*)	T. cinerea.
Terekia, *Bp. Comp. List B. Eur. & N. Amer.* p. 52 (1838).	T. cinerea.
Simorhynchus, *Keys. u. Blas. Wirb. Eur.* p. lxxiv (1840; *nec Merrem*)	T. cinerea.
Rhynchosimus, *Heine & Reichen. Nomencl. Mus. Hein.* p. 326 (1890)	T. cinerea.

Range. Northern parts of the Palæarctic Region, ranging south in winter to Africa, India, and Australia.

1. Terekia cinerea.

Scolopax cinerea, *Güldenst. Nov. Comm. Petrop.* xix. p. 473, pl. 19 (1774); *Gm. Syst. Nat.* i. p. 657 (1788).
Terek Avoset, *Penn. Arct. Zool.* ii. p. 502 (1785).
Terek Snipe, *Lath. Gen. Syn.* iii. pt. 1, p. 155 (1785: Caspian Sea).
Scolopax terek, ***Lath. Ind. Orn.*** ii. p. 724 (1790).
Limosa recurvirostra, *Pall. Zoogr. Rosso-Asiat.* ii. p. 181 (1811).
Totanus javanicus, *Horsf. Trans. Linn. Soc.* xiii. p. 193 (1821: Java).
Scolopax sumatrana, *Raffles, Trans. Linn. Soc.* xiii. p. 327 (1822: Sumatra).
Numenius cinereus, *Vieill. Enc. Méth.* iii. p. 1157 (1823).
Limicula terek, *Vieill. Faune Franç.* p. 306, pl. 171. fig. 2 (1823).
Fedoa terekensis, *Steph. in Shaw's Gen. Zool.* xii. p. 83 (1824).
Xenus cinereus, *Kaup, Natürl. Syst.* p. 115 (1829); *Gray, List Grall. Brit. Mus.* p. 96 (1844: Port Essington); *Filippi, Viagg. Persia*, p. 351 (1865); *Finsch, Trans. Zool. Soc.* vii. p. 328 (1870); *Fritsch,*

Vög. Eur. tab. 38. fig. 6 (1870); *Alston & Harvie-Brown, Ibis*, 1873, p. 68 (Dwina: breeding); *Blyth & Wald. B. Burm.* p. 155 (1875).

Limicola indiana, *Less. Traité d'Orn.* p. 554 (1831).

Limosa terek, *Temm. MSS.*; *Gould, B. Eur.* iv. pl. 307 (1837); *Temm. Man. d'Orn.* iv. p. 420 (1840); *Reichenb. Grall.* tab. cccii. figs. 2440 48 (1850); *Finsch, Neu-Guinea*, p. 182 (1865).

Terekia javanica, *Bp. Comp. List B. Eur. & N. Amer.* p. 52 (1838); *Gray, List Gen. B.* p. 68 (1840); *Swinh. P. Z. S.* 1862, p. 319 (Tientsin); *id. Ibis*, 1863, p. 97 (N. China).

Limosa (Simorhynchus) cinerea, *Keys. & Blas. Wirb. Eur.* pp. lxxiv, 212 (1840); *Middend. Reis. Sibir., Zool.* p. 216 (1851: Sea of Ochotsk).

Terekia cinerea, *Gray, List Gen. B.* 1841, p. 88; *Gould, B. Austr.* vi. pl. 34 (1848); *Blyth, Cat. B. Mus. As. Soc.* p. 267 (1849: Calcutta); *Bp. C. R.* xliii. p. 579 (1856); *Swinh. P. Z. S.* 1863, p. 312; *Jerd. B. Ind.* iii. p. 682 (1864); *Gould, Handb. B. Austr.* ii. p. 171 (1865); *Blyth, Ibis*, 1867, p. 167; *Deyl. & Gerbe, Orn. Eur.* ii. p. 171 (1867); *Pyb. J. f. O.* 1868, p. 337 (Dauria); *Borggr. Vogelf. Norddeutschl.* p. 115 (1869); *Salvad. Ibis*, 1870, p. 154; *Blanf. Geol. & Zool. Abyss.* p. 433 (1870: Zoulla, Jan.); *Salvad. Faun. Ital., Uce.* p. 221 (1871); *Swinh. P. Z. S.* 1871, p. 408 (Tientsin); *Dresser, B. Eur.* viii. p. 195, pl. 572 (1871); *Gurney in Anderss. B. Dam. Ld.* p. 304 (1872); *Hume, Str. F.* i. p. 23* (1873: Karachi, Feb.); *Antin. & Salvad. Viagg. Beyos*, p. 145 (1873: Massowa, Sept.); *Tacz. J. f. O.* 1873, p. 102, 1874, p. 330); *Hume, Str. F.* ii. p. 296 (1874: Port Blair); *Salvad. Uce. Born.* p. 330 (1874: Sarawak, Oct.); *Scl. & Taylor, Ibis*, 1876, p. 64 (Sweet Waters, Constantinople); *Seebohm & Harvie-Brown, t. c.* p. 282 (Haboriki, June); *Blanf. East. Persia*, ii. p. 283 (1876); *Tacz. Bull. Soc. Zool. France*, i. p. 250 (1876: E. Siberia); *Ball, Str. F.* iv. p. 236 (1876: Sambalpur; Orissa, May); *Armstrong, t. c.* p. 341 (Elephant Point); *Finsch, Ibis*, 1877, pp. 59, 62 (Ob River, July); *David & Oust. Ois. Chine*, p. 460 (1877); *Hartl. Vog. Madag.* p. 325 (1877); *Hume & Davison, Str. F.* vi. p. 400 (1878: Thatone; Amherst; Tavoy); *Scl. P. Z. S.* 1878, p. 579 (Japan); *Tweedd. t. c.* p. 711 (N. Bohol, Oct.); *Hume, Str. F.* vii. p. 486 (1878: Calcutta); *Seebohm, Ibis*, 1879, p. 152 (Siberia, 70° N. lat., June); *Finsch, Verh. z.-b. Ges. Wien*, xxix. p. 249 (1879: Schtschutschja); *Hume, Str. F.* viii. p. 70 (1879: Kopah), p. 112; *Butler, Cat. B. Sind etc.* p. 62 (1879: Karachi); *Legge, B. Ceylon*, p. 836 (1880); *Bocage, Orn. Angola*, p. 403 (1881: Landana; Loango); *Sel. Voy. 'Challenger,' Zool.* ii. *Birds*, p. 117 (1881: Japan, May); *Gigl. Ibis*, 1881, p. 210 (Italy, Nov.); *Simson, Ibis*, 1882, p. 92 (E. Bengal); *Seebohm, t. c.* p. 223 (Sarepta); *Salvad. Orn. Papuasia etc.* iii. p. 326 (1882); *Milne-Edwards & Grandidi. Hist. Nat. Madag., Ois.* p. 259 (1882); *Seebohm, Ibis*, 1883, p. 29 (Caucasus, autumn migrant); *Severtz. t. c.* p. 74 (Pamir, Sept.); *Oates, Handb. B. Brit. Burm.* ii. p. 407 (1883); *Vorderm. Nat. Tijdschr. Nederl. Ind.* xliii. p. 116 (1883: Java), xliv. p. 204 (1884); *Meyer, Sitz. k. Akh. Ges. Isis*, 1884, Abth i. p. 56 (Ceram); *Seebohm, Ibis*, 1884, p. 33 (Yokohama); *Bogdan. Consp. Av. Imp. Ross.* p. 100 (1884); *Radde, Orn. Cauc.* pp. 45, 433 (1884: South Caspian, breeding); *Murray, Vertebr. Faun. Sind*, p. 240 (1884); *Sharpe, ed. Layard's B. S. Afr.* p. 601 (1884); *Stejn. Bull. U.S. Nat. Mus.* no. 29, p. 132 (1885: Bering Isl.); *Verbury, Ibis*,

1886, p. 21 (Aden, winter); *Sharpe, t. c.* p. 492; *Gigl. Avif. Ital.* p. 399 (1886); *Salvad. Elenco Ucc. Ital.* p. 228 (1886); *Pleske, Uebers, Saug. u. Vög. Kola Halb.* p. 370 (1886); *Vorderm. Nat. Tijdschr. Nederl. Ind.* xlvi. p. 22 (1886); *Blasius, Zeitschr. Ges. Orn.* iii. p. 166 (1886: Celebes); *Stejn. Proc. U.S. Nat. Mus.* x. p. 133 (1887); *Gigl. & Salvad. P. Z. S.* 1887, p. 587 (Corea); *Sharpe, Ibis*, 1888, p. 203 (Palawan); *E. Newton, Trans. Norf. & Norw. Nat. Hist. Soc.* iv. p. 553 (1889: Mauritius); *Everett, Journ. Straits Branch As. Soc.* 1889, p. 209 (Sarawak: Taguso); *Vorderm. Nat. Tijdschr. Nederl. Ind.* xlix. p. 416 (1889: Sumatra); *Steere, List Mamm. & B. Philipp. Exped.* p. 26 (1890: Negros); *Whitehead, Ibis*, 1890, p. 59 (Palawan, Sept.); *Gigl. Avif. Ital., 1st Resoc.* p. 606 (1889), *2nd Resoc.* p. 662 (1890); *Salvad. Agg. Orn. Papuasia etc.* iii. p. 203 (1891); *Sharpe, Ibis*, 1891, p. 114 (Fao); *Saunders, t. c.* p. 187 (Switzerland, spring); *Styan, t. c.* pp. 331, 507 (Lower Yangtse, migrant); *Fatio & Studer, Cat. Distr. Ois. Suisse*, p. 46 (1892); *Tacz. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 856 (1893).

Limosa cinerea, *Gray, Gen. B.* iii. p. 570 (1847); *Blasius in Naum. Vög. Deutschl.* xiii. p. 248, pl. 386. fig. 3 (1853); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 477 (1859); *Schrenck, Reis. Amurl.* p. 419 (1859); *Radde, Reis. Sibir., Vög.* p. 330 (1863); *Layard, B. S. Afr.* p. 323 (1867); *Gray, Hand-l. B.* iii. p. 44, no. 10265 (1871); *Heugl. Orn. N.O.-Afr.* ii. Abth. i. p. 1137 (1873: Arabian coast); *Rosenb. Malay. Archip.* p. 109 (1878–79: Sumatra).

Xenus cinereus, *Licht. Nomencl. Av. Mus. Berol.* p. 91 (1854: Arabia).

Totanus cinereus, *Schl. Mus. Pays-Bas*, Scolopaces, p. 77 (1864: Japan; Java; Moluccas).

Totanus terek, *Schl. & Poll. Faune Madag., Ois.* p. 172 (1868).

Tringa (Terekia) cinerea, *Ramsay, Proc. Linn. Soc. N. S. W.* ii. p. 198 (1878); *id. Tab. List Austr. B.* p. 20 (1888: Wide Bay District; N. S. W.).

Totanus terekius, *Seebohm, Geogr. Distr. Charadr.* p. 369 (1888); *id. B. Japan. Emp.* p. 326 (1890).

Rhynchosimus cinereus, *Heine & Reichen. Nomencl. Mus. Hein.* p. 326 (1890).

Adult male in breeding-plumage. Differs from the winter plumage (described below) in having black centres to the upper surface, the head streaked with blackish brown; a rufescent tint pervades the upper surface; the lesser wing-coverts and scapulars are almost entirely black, the latter forming a double band down the back; the wing-coverts and secondaries, as well as the lower back, rump, and upper tail-coverts, are mottled with dusky markings; under surface of body white; lower throat and fore-neck streaked with blackish: "bill black, the base of the lower mandible yellowish green: feet olive-grey; iris dark brown" (teste *L. Taczanowski*). Total length 8·5 inches, culmen 2, wing 5·35, tail 2·2, tarsus 1·15.

The yellow base to the lower mandible appears to me to be a sign of immaturity and winter plumage, as it seems to disappear entirely in breeding birds.

Adult female in breeding-plumage. Similar to the male in plumage, with less of the bronzy tint above; the black streaks on the upper surface and the dusky streaks on the throat less pronounced. Total length 9·5 inches, culmen 1·9, wing 5·35, tail 2·2, tarsus 1.

Young male of the year. Similar to the adults, but with a much shorter bill, the base of the latter being conspicuously yellow; the mantle streaked with blackish, and the scapulars marked with black almost as much as in the adult bird; the upper tail-coverts and tail-feathers barred with dusky and pale rufous; the greater coverts black, forming a band across the wing; head and neck and underparts as in the winter plumage of the adults, the throat not being streaked with dusky: "bill blackish olive, yellowish olive at the base of both mandibles; feet, including web, bright orange-yellow; iris blackish brown" (*L. Stejneger*).

Adult in winter plumage. General colour above light ashy grey, with obsolete whitish edges to the scapulars and wing-coverts, especially the greater series; lesser coverts distinctly black in the centre; bastard-wing, primary-coverts, and quills blackish, the outer primaries with white shafts, the inner primaries ashy towards the ends, with a white fringe; secondaries broadly tipped with white, and white also along the inner web; the inner secondaries ashy grey like the back, with blackish shaft-lines; lower back and rump and upper tail-coverts like the back, the latter freckled and edged with ashy white; tail-feathers ashy grey, whitish at base, mottled with ashy; head and neck ashy grey; the forehead and eyebrows white, becoming fulvescent above the ear-coverts; lores dusky ashy; sides of face whitish, streaked with ashy grey, the upper edge of the ear-coverts uniform ashy; cheeks, throat, and under surface of body pure white; the sides of the neck and sides of upper breast ashy grey, the latter with a distinct dusky patch; axillaries and under wing-coverts white; the feathers along the edge of the wing ashy grey; quills greyish below: "bill dark brown, yellowish at the base of the lower mandible; feet and toes yellow; iris brown" (*E. W. Oates*).

Hab. Breeding in North-eastern Europe and Northern Siberia, ranging south in winter to Africa, India, and Australia.

a ♂ ad. sk.	River Onega, Russia, July 9 (*W. Mares*).	Seebohm Coll.
b ♂ ad. sk.	Ijma Reaka, Dvina, July 3 (*E. R. Alston*).	Seebohm Coll.
c, *d* Ad.; *e*, Pull. sk.	Archangel, July.	Dr. R. B. Sharpe, P.
f ♂ ad. sk.	Archangel, Aug.	Seebohm Coll.
g ♂ juv. sk.	Archangel, July 24 (*W. Mares*).	Salvin-Godman Coll.
h, *i* ♂, *k* ♀ ad. sk.	Petchora River, June.	H. Seebohm and J. A. Harvie-Brown, Esqrs., P.
l ♂ ad. sk.	Siberia.	Tweeddale Coll.
m ♂ imm. sk.	Schtschutschja, River Ob, Aug. 13 (*Dr. O. Finsch*).	Geogr. Soc. Bremen P.
n ♂ ad. sk.	River Yenesei, June 16 (*H. Seebohm*).	Tweeddale Coll.
o ♂ ad. sk.	Lake Baikal, May 24 (*Dr. Dybowski*).	Seebohm Coll.

p, *q* ♂ ♀ ad. sk.	Inland Sea, Japan, May.	Voy. H.M.S. 'Challenger.'
r. Ad. sk.	China.	Gould Coll.
s. ♂; *t*, *u*. ♀ ad. sk.	Shanghai, April, May, Sept. (*R. Swinhoe*).	Seebohm Coll.
v. ♂; *w*, *x*. ♀ ad. sk.	N. Bohol, Oct. (*A. H. Everett*).	Tweeddale Coll.
y. Ad. sk.	Baram, Sarawak, Oct. 7.	A. H. Everett, Esq. [C.].
z. Ad. sk.	New Guinea.	Wallace Coll.
a'–*c'*. Ad. sk.	Cape York, N. Australia (*J. T. Cockerell*).	Salvin-Godman Coll.
d'. Ad. sk.	Port Essington.	Capt. Chambers [P.].
e'. Ad. sk.	Java (*Horsfield*).	India Museum. (Type of *Totanus javanicus*.)
f'–*k'*. ♂; *l'*. ♀ ad. sk.	Salangore, Dec.–March (*W. Davison*).	Hume Coll.
m'. ♀ ad. sk.	Kopah River, Jan. 15 (*J. Darling*).	Hume Coll.
n'. ♂ ad. sk.	Tavoy River, April 29 (*W. Davison*).	Hume Coll.
o', *p'*. Ad. sk.	Thatone Creek, Dec. (*W. Davison*).	Hume Coll.
q'. ♂ ad. sk.	Wippitan, Jan. 13 (*J. Darling*).	Hume Coll.
r'–*u'*. ♂; *v'*–*x'*. ♀ ad. sk.	Amherst, Dec.–March (*W. Davison*).	Hume Coll.
y'. Ad. sk.	Saigon, Cochin China.	M. E. Pierre [P.].
z'. ♂ ad. sk.	Elephant Point, Dec. (*J. Armstrong*).	Hume Coll.
a''. Ad. st.	Dacca.	India Museum.
b'', *c''*. Ad. sk.	Dacca.	Hume Coll.
d'', *e''*. ♂ ♀ ad. sk.	Haddo, Andaman Islands, Dec. (*W. Davison*).	Hume Coll.
f'', *g''*. ♀ ad. sk.	Post Mouat, April (*W. Davison*).	Hume Coll.
h''. ♂; *i''*, *k''*. ♀ ad. sk.	Dung Leaf Creek, Dec. 31 (*W. Davison*).	Hume Coll.
l''. Ad. sk.	Ceylon.	T. Thwaites, Esq. [C.].
m''. ♂; *n''*, *o''*. ♀ ad. sk.	Karachi, Sind, Dec., May, Aug. (*E. A. Butler*).	Hume Coll.
p''–*s''*. ♂; *t''*–*y''*. ♀ ad. sk.	Karachi, Feb. (*A. O. H.*).	Hume Coll.
z''. Ad. sk.	Ghizni, Sind (*Dr. H. Goula*).	India Museum.
a^3–*d*^{3}. ♂ ♀ ad. sk.	Fao, Persian Gulf, Aug., Sept.	W. D. Cumming, Esq. [P.].
e^3. ♀ ad. sk.	Zoulla, Annesley Bay, Jan. 11.	W. T. Blanford, Esq. [P.].
f^3. ♀ ad. sk.	Walvisch Bay, Damaraland, Oct. 15 (*C. J. Andersson*).	Seebohm Coll.

52. PSEUDOGLOTTIS.

Type.

Pseudototanus, *Hume, Str. F.* vi. p. 488 (1878) ..... P. guttifer.
Pseudoglottis, *Stejn. Zeitsch. ges. Orn.* i. p. 223 (1884) .. P. guttifer.

Range. North-eastern Asia, ranging south in winter to the Burmese provinces and the neighbourhood of Calcutta.

1. Pseudoglottis guttifer.

Totanus guttifer, *Nordm. in Erman's Reis. um die Erde*, p. 17 (1835).
Xenus guttifer, *Licht. Nomencl. Av. Berol.* p. 91 (1854).
Terekia guttifera, *Bp. C. R.* xliii. p. 997 (1856).
Totanus haughtoni, *Armstrong, Str. F.* iv. p. 344 (China Ba-Keer, Dec.); *Hume & Davison, Str. F.* vi. p. 403 (1878); *Harting, Ibis*, 1883, p. 133, pl. iv.
Pseudototanus haughtoni, *Hume, Str. F.* vii. p. 488 (1878: Calcutta); *id. Str. F.* ix. p. 113 (1879); *id. & Marsh. Game Birds Ind.* iii. p. 403, cum tab. (1880).
Pseudotanus guttifer, *Stejn. Zeitschr. ges Orn.* i. p. 223, pl. x. (1884); *id. Orn. Expl. Kamtsch., Bull. U.S. Nat. Mus.* no. 29, p. 124 (1885: Bering Isl., May; Aratscha River, Kamtschatka).
Totanus guttiferus, *Seeb. Geogr. Distr. Charadr.* p. 354 (1888); *Styan, Ibis*, 1894, p. 337 (Hainan).

Adult female in winter plumage (type of *T. haughtoni*). General colour above ashy grey, the feathers with blackish shaft-lines and narrow whitish margins; lower back, rump, and upper tail-coverts pure white; wing-coverts a little darker than the back, especially the marginal series and the outer median and greater coverts; bastard-wing, primary-coverts, and primaries dark brown, the secondaries ashy and fringed with white like the inner primaries, the inner secondaries whitish on the inner webs; centre tail-feathers light ashy grey, the remainder white, with a sub-terminal dusky line; crown of head and neck ashy grey, with dusky streaks; base of forehead and lores, as well as the sides of the face and under surface of body, pure white, the sides of the neck shaded with ashy and having minute dusky streaks; under wing-coverts and axillaries white: "basal half of bill horny yellow, deepening into dusky for the terminal half, which is tipped with black; feet ochreous yellow, claws black; iris dark brown" (*J. Armstrong*). Total length 12 inches, culmen 1·9, wing 6·9, tail 2·4, tarsus 1·6.

Adult male in winter plumage. Does not differ from the female in any important particular: "basal half of both mandibles greenish plumbeous, somewhat yellowish near the gape; terminal half dusky black; feet greenish ochreous yellow, somewhat dusky over the phalangeal joints; claws black; gape slaty pinkish white; iris dark brown" (*J. Armstrong*). Total length 12·5 inches, culmen 2·3, wing 7, tail 2·4, tarsus 1·75.

Young. Resemble the winter plumage of the adults, but are easily distinguished by the sandy-buff spotting of the back and

wings, the feathers of the back having twin spots of this colour, or being edged or notched with it, this being particularly the case with the scapulars and inner secondaries; the crown darker and more uniform brown, with a distinct eyebrow of white, lined with dusky streaks like the sides of the neck and upper hind-neck; the upper tail-coverts with a few wavy lines of dusky, which are also visible on the tail-feathers, the centre ones being tinged with sandy buff; under surface of body as in the adults, but with dusky streaks on the lower throat; the chest and sides of the body mottled with dusky margins to the feathers, especially on the sides of the upper breast; under wing-coverts and axillaries pure white. Total length 11·5 inches, wing 6·2, tarsus 1·75. (*Mus. Henry Seebohm.*)

Adult male in breeding-plumage. Differs from the winter plumage in being blacker above and being spotted below with black; the crown blackish, streaked with whitish edges to the feathers; the feathers of the back black, with spots of white on the edges of the feathers, more distinct on the scapulars and inner secondaries; upper tail-coverts and centre tail-feathers with slight indications of black spots; sides of face and sides of neck white, with triangular spots of black, larger on the latter; the ear-coverts slightly ashy grey with obscure dusky streaks; under surface of body pure white, with a few small spots or streaks of black, irregularly scattered over the throat and breast, larger and more thickly distributed over the sides of the upper breast, and scarcely visible on the flanks; under wing-coverts and axillaries pure white. Total length 11 inches, culmen 2·1, wing 6·7, tail 2·15, tarsus 1·6. (*Mus. Henry Seebohm.*)

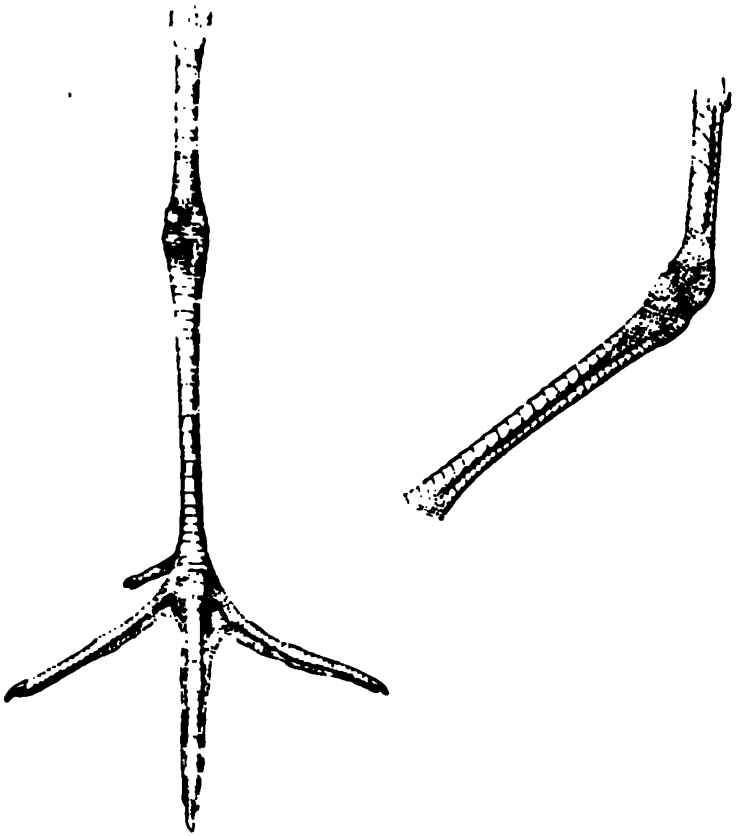
Hab. Kamtschatka (*Stejneger*), the Sea of Okhotsk (*Nordmann*), and the River Amoor (*Doerries*), probably occurring along all the coasts of Eastern Asia in winter, but only known as yet from the coasts of Burma (*Armstrong*) and from the neighbourhood of Calcutta (*Hume*). The great resemblance which the bird bears to the common Greenshank has doubtless often caused it to be mistaken for that species, and, in consequence, to be overlooked by ornithologists.

a. ♀ ad. sk.	China-Ba-Keer, Burma, Dec. 18 (*J. Armstrong*). (Type of *T. haughtoni*.)	Hume Coll.
b. ♂ ad. sk.	Beloo Gyoon, Burma, Dec. 10 (*J. A.*).	Hume Coll.
c, *d*. ♂ ♀ ad. sk.	Amherst, Tenasserim, Dec. 30, Jan. 3 (*J. A.*).	Hume Coll.

53. GLOTTIS.

	Type.
Glottis, *Koch, Syst. baier. Zool.* p. 305 (1816)	G. nebularius.
Limicola, *Leach, Syst. Cat. Mamm. etc. Brit. Mus.* p. 32 (1816)	G. nebularius.

Range. Confined to the Old World, breeding in the north, and wandering in winter to Africa, India, and Australia.



Foot of *Glottis nebularius*, to show the scaling of the tarsus.

1. Glottis nebularius.

The Green-legg'd Horseman or Female Totano, *Albin, Nat. Hist. B.* ii. pl. 69 (1738).
The Barker, *Albin, tom. cit.* p. 65, pl. 71.
La Barge grise, *Briss. Orn.* v. p. 267, pl. xxiii. fig. 1 (1760); *D'Aubent. Pl. Enl.* viii. pl. 870.
Scolopax totanus, *Linn. Syst. Nat.* i. p. 245 (1766; nec 1758); *Gm. Syst. Nat.* i. p. 665 (1788).
Scolopax nebularius, *Gunner. Leem. Lapp. Beschr.* p. 251 (1767).
La Barge aboyeuse, *Buff. Hist. Nat. Ois.* vii. p. 501 (1780).
Cinereous Godwit, *Lath. Gen. Syn.* iii. pt. 1, p. 145 (1785).
Green-shank, *Lath. tom cit.* p. 147; *Yarr. Brit. B.* ii. p. 549 (1843).
Scolopax cinerascens, *Lath. Gen. Syn. Suppl.* i. p. 282 (1787).
Scolopax glottis, *Lath Gen. Syn. Suppl.* i. p. 282 (1787).
Scolopax canescens, *Gm. Syst. Nat.* i. p. 658 (1788).

Totanus glottis, *Bechst. Orn. Taschenb.* ii. p. 287 (1803); *Meyer & Wolf, Taschenb. deutsch. Vögelk.* ii. p. 372 (1810); *Temm. Man. d'Orn.* p. 425 (1815); *Vieill. N. Dict. d'Hist. Nat.* vi. p. 410 (1816); *Temm. Man. d'Orn.* 2nd ed. ii. p. 659 (1820); *Horsf. Trans. Linn. Soc.* xiii. p. 192 (1821); *Boie, Isis*, 1822, p. 560; *Roux, Orn. Prov.* pl. 298 (1825); *Werner, Atlas, Grall.* pl. 25 (1827); *Fleming, Brit. Anim.* p. 104 (1828); *Less. Traité d'Orn.* p. 551 (1831); *Jenyns, Man. Brit. Vertebr.* p. 200 (1835); *Audub. Orn. Biogr.* iii. p. 483, pl. 269 (1835); *Naum. Vög. Deutschl.* viii. p. 145, pl. 201 (1836); *Strickl. P. Z. S.* 1836, p. 101 (Smyrna); *Gould, B. Eur.* iv. pl. 312 (1837); *Crespon, Orn. Gard*, p. 433 (1840); *Keys. & Blas. Wirb. Eur.* pp. lxxii, 210 (1840); *Nordm. in Démid. Voy. Russ. Mérid.* iii. p. 245 (1840: Odessa, March); *Selys-Longch. Faun. Belge*, p. 127 (1842); *Audub. B. Amer.* 8vo, v. p. 321, pl. 346 (1842); *Mühle, Orn. Griechenl.* p. 99 (1844: Sept. to May); *Schl. Rev. Crit.* p. xcii (1844); *Gray, Gen. B.* iii. p. 573 (1846); *Blyth, Cat. B. Mus. As. Soc.* p. 265 (1849); *Reichenb. Grall.* tab. lxxv. figs. 574, 575 (1850); *Thomps. B. Irel.* ii. p. 217 (1850: migrant); *Harcourt, P. Z. S.* 1851, p. 146 (Madeira); *Middend. Reis. Sibir., Zool., Vög.* p. 213 (1851: Stanovoi Mts., May to Aug.); *Kjærb. Danm. Fugle*, pl. 36. fig. 3 (1852); *Schl. Vog. Nederl.* pl. 242 (1854); *Hartl. Orn. W.-Afr.* p. 235 (1857); *Cass. Proc. Acad. Nat. Sci. Philad.* 1858, p. 196; *Grill, Zool. Anteckn.* pp. 11, 53 (1859: Cape, Dec.); *Taylor, Ibis*, 1859, p. 53 (Egypt); *Heugl. t. c.* p. 347 (Red Sea and Somali Coast); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 456 (1859); *Schrenck, Reis. Amurl.* p. 414 (1859: Ussuri); *Sundev. Sv. Fogl.* pl. xl. fig. 5 (1860); *Linderm. Vög. Griechenl.* p. 137 (1860); *Gurney, Ibis*, 1860, p. 218 (Natal); *Powys, t. c.* p. 344 (Epirus and Corfu); *Irby, Ibis*, 1861, p. 238 (Kumaon); *Hartl. J. f. O.* 1861, p. 271; *Schl. Dier. Nederl. Vogels*, pl. 25. figs. 5–7 (1861); *Swinh. Ibis*, 1862, p. 254 (Foochow), 1863, p. 406 (Formosa); *Gray, Cat. Brit. B.* p. 160 (1863); *Radde, Reis. Sibir., Vög.* p. 327 (1863: Tarei-nor, Aug., Sept.); *Schl. Mus. Pays-Bas*, Scolopaces, p. 61 (1864: Gold Coast, Oct.; Moluccas; Borneo; Java; Timor; S. Brazil (!); Chili (!)); *Jerd. B. Ind.* iii. p. 700 (1864: Sept. to April); *Wright, Ibis*, 1864, p. 146 (Malta, spring and autumn); *More, Ibis*, 1865, p. 436 (Scotland, breeding); *Finsch, Neu-Guinea*, p. 182 (1865); *Dohrn, P. Z. S.* 1866, p. 331 (Prince's Isl.); *Blyth, Ibis*, 1867, p. 169; *E. Newton, t. c.* p. 346 (Seychelles); *Layard, B. S. Afr.* p. 325 (1867); *Dyb. & Parvex, J. f. O.* 1868, p. 337 (Darasun); *Borggr. Vogelf. Norddeutschl.* p. 112 (1869); *Drake, Ibis*, 1869, p. 154 (Marocco); *Droste, Vogelw. Borkum*, p. 176 (1869); *Wyatt, Ibis*, 1870, p. 17 (Sinai); *Swinh. t. c.* pp. 83, 364 (Hainan); *Elwes & Buckley, t. c.* p. 332 (Turkey); *Stevens. B. Norf.* ii. p. 234 (1870); *Godwin-Austen, J. A. S. Beng.* xxxix. p. 275 (1870: Khasia Hills); *Blanf. op. cit.* xl. p. 276 (1871: Wardha Valley); *Saunders, Ibis*, 1871, p. 387 (Spain); *Swinh. P. Z. S.* 1871, p. 405 (China, winter); *R. Gray, B. West Scotl.* p. 300 (1871: breeding); *Gray, Hand-l. B.* iii. p. 45, no. 10276 (1871); *Harting, Handb. Brit. B.* p. 46 (1872); *Wald. Trans. Zool. Soc.* viii. p. 96 (1872); *Gurney in Anderss. B. Dam. Ld.* p. 301 (1872: Dec. to April); *Heugl. Orn. N.O.-Afr.* iii Abth. i. p. 1169 (1873: N.E. Africa, Aug. to April); *Palmén, Finl. Fogl.* p. 139 (1873); *Severtz. Turkest. Jevotn.* p. 69 (1873); *Alston & Harvie-Brown, Ibis*, 1873, p. 67 (Archangel); *Brooke, t. c.* p. 338 (Sardinia, winter); *Tacz. J. f. O.* 1873, p. 102; *Hume & Henderson, Lahore to Yark.* p. 290

(1873); *Ball, Str. F.* i. p. 85 (1873: Andamans); *Tacz. J. f. O.* 1874, p. 336 (E. Siberia); *Saxby, B. Shetl.* p. 196 (1874); *Ball, Str. F.* ii. p. 431 (1874: Chota Nagpur); *Buckley, Ibis*, 1873, p. 388 (Limpopo River); *Salvad. Uc. Born.* p. 324 (1874); *Cordeaux, Ibis*, 1875, p. 185 (Heligoland); *Swinh. t. c.* p. 453 (S. Yezo); *Blyth & Wald. B. Burm.* p. 155 (1875); *Wald. Trans. Zool. Soc.* ix. p. 234 (1875: Luzon); *Rosenb. Reistocht. Geelvinksb.* p. 8 (1875: Ternate); *Fallon, Ois. Belg.* p. 175 (1875); *Seebohm & Harvie-Brown, Ibis*, 1876, p. 291 (Lower Petchora, breeding); *Butler, Str. F.* iv. p. 18 (1876: N. Guzerat); *Tacz. Bull. Soc. Zool. France*, i. p. 250 (1876), ii. p. 156 (1877: Poland, spring and autumn); *David & Oust. Ois. Chine*, p. 462 (1877); *Hartl. Voy. Madag.* p. 326 (1877); *Casteln. & Ramsay, Proc. Linn. Soc. N.S.W.* i. p. 384 (1877: Norman R.); *Prjev. in Rowley's Orn. Misc.* iii. p. 88 (1878: Hoang-ho; Lake Hanka; Usuri); *Blakist. & Pryer, Ibis*, 1878, p. 220 (Yezo); *Hume & Davison, Str. F.* vi. p. 463 (1878: Tenasserim); *Davidson & Wenden, Str. F.* vii. p. 89 (1878: Deccan); *Ball, t. c.* p. 229 (Ganges to Godavery); *Crippa, t. c.* p. 304 (Faridpur, winter); *Hume, t. c.* p. 488 (Calcutta); *Meyer, Ibis*, 1879, p. 143 (Celebes); *Bogd. B. Cauc.* p. 156 (1879); *Rosenb. Malay. Archip.* p. 109 (1879: Sumatra), p. 278 (Celebes), p. 373 (Aru; Kei; Goram), p. 407 (Ternate); *Butler, Cat. B. Sind etc.* p. 64 (1879); *Hume, Str. F.* viii. p. 113 (1879); *Scully, t. c.* p. 358 (Nepal Valley); *Salvad. Ann. Mus. Genov.* xiv. p. 666 (1879); *Legge, B. Ceylon*, p. 840 (1880); *Butler, Cat. B. S. Bomb. Pres.* p. 78 (1880); *Vidal, Str. F.* ix. p. 86 (1880: S. Konkan); *Collett, Norges Fuglef.* p. 102 (1881); *Bildulph, Ibis*, 1881, p. 97 (Gilgit, Sept.); *Scully, t. c.* p. 580; *Reid, Str. F.* x. p. 71 (1881: Lucknow); *Davidson, Str. F.* x. p. 321 (1882: Khandeish); *Blakist. & Pryer, B. Japan*, p. 109 (1882: Yezo; Yokohama); *Tacz. Bull. Soc. Zool. France*, vii. p. 207 (1882: Bering Isl.); *Milne-Edwards & Grandid. Hist. Nat. Madag., Ois.* p. 630 (1882); *Swinh. Ibis*, 1882, p. 122 (Kandahar); *Seebohm, t. c.* p. 223 (Astrakhan), p. 380 (Archangel); *Davison, Str. F.* x. p. 414 (1883: Nilghiris); *Seebohm, Ibis*, 1883, p. 20 (Caucasus); *Vorderm. Nat. Tijdschr. Nederl. Ind.* xliii. p. 113 (1883: Batavia); *Severtz. Ibis*, 1883, p. 74 (Pamir, breeding); *Irby, t. c.* p. 186 (Santander); *Coues, Key N. Amer. B.* 2nd ed. p. 630 (1884: "Florida"), *Blakist. Amended List B. Japan*, p. 36 (1884: Nagasaki), *Bogd. Cauc. Av. Imp. Ross.* p. 94 (1884); *Radde, Orn. Cauc.* pp. 45, 430 (1884: rare in winter); *Vorderm. Nat. Tijdschr. Nederl. Ind* xliv. p. 202 (1884: Java); *Murray, Vertebr. Faun. Sind*, p. 255 (1884); *Ayres, Ibis*, 1884, p. 233 (Potchefstroom); *Seebohm, t. c.* p. 267 (Kiukiang, Dec., Jan.); *C. H. T. Marshall, t. c.* p. 424 (Chamba), *C. Swinh. & Barnes, Ibis*, 1885, p. 134 (Mhow distr.), *Dastr. t. c.* p. 195 (Corea); *Seebohm, Hist. Brit. B.* iii. p. 149, pl. 20 (1885); *Hartert, J. f. O.* 1886, p. 68 (R. Niger, Jan.), *Salvad. Elenco Uc. Ital.* p. 227 (1886); *Harvie-Brown & Buckley, Vertebr. Faun. Caithness*, p. 223 (1887); *Seeb. Geogr. Distr. Charadr.* p. 355 (1888); *Irby, Key List Brit. B.* p. 49 (1888); *Dybowsky, J. f. O.* 1888, p. 91 (E. Siberia, Oct.); *Koenig, t. c.* p. 270 (Tunis, Nov., Dec.); *Hume, Str. F.* xi. p. 325 (1888: Manipur); *Tacz. P. Z. S.* 1888, p. 457 (Corea); *Buttik. Notes Leyden Mus.* xi. p. 137 (1889); *Lilford, Ibis*, 1889, p. 342 (Salamis, April), *Everett, Journ. Straits Branch Asiat. Soc.* 1889, p. 208 (S. Borneo; Talmanis, Pontianak); *Vorderm. Nat. Tijdschr. Nederl. Ind.* xlix. p. 416 (1889: Sumatra); *Seebohm, B. Japan. Emp.*

p 321 (1890); *Platen, J. f. O.* 1890, p. 145 (Mindanao); *Koenig, t. c.* p. 458 (Madeira); *Emin, J. f. O.* 1891, p. 345 (Albert Nyanza); *Madarász, Erläut. Ausst. Ungar. Vögelf.* p. 109 (1891: Apaj, Prov. Pest); *Reiser, Vogels. Landesm. Sarajevo*, p. 123 (1891); *Styan, Ibis*, 1891, pp. 331, 507 (Lower Yangtze, winter); *Gätke, Vogelw. Helgol.* p. 508 (1891); *Frivaldsky, Av. Hungar.* p. 141 (1891); *Salvad. Agg. Orn. Papuasia*, iii. p. 202 (1891); *Seeb. Ibis*, 1892, p. 24 (Heligoland, spring and autumn); *Campbell, t. c.* p 246 (Corea, spring and autumn); *De La Touche, t. c.* p. 500 (Foochow and Swatow, winter); *Styan, Ibis*, 1893, p. 437 (Hainan); *Tacz. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 860 (1893); *Sjöstedt, K. Svensk. Vet.-Akad. Handl. Stockh.* xxvii. p. 27 (1895: Cameroons).

Totanus fistulans, *Bechst. Naturg. Deutschl.* iv. p. 241 (1809).

Totanus griseus, *Bechst. t. c.* p. 249 (1809); *Degl. & Gerbe, Orn. Eur.* ii. p. 215 (1867); *Doderl. Avif. Sicil.* p. 183 (1869).

Totanus chloropus, *Meyer, Taschenb.* ii. p. 371 (1810); *id. Vög. Liv- und Esthlands*, p. 198 (1815); *Coues, Key N. Amer. B.* p. 259 (1872).

Limosa totanus, *Pall. Zoogr. Rosso-Asiat.* ii. p. 183 (1811).

Glottis natans (*nec Otto*), *Koch, Syst. baier. Zool.* p. 305 (1816).

Limicola glottis, *Leach, Syst. Cat. Mamm. etc. Brit. Mus.* p. 32 (1816: Carmarthenshire).

Glottis chloropus, *Nilss. Orn. Suec.* ii. p. 57 (1821); *Brehm, Vög. Deutschl.* p. 630 (1831); *Bp. Comp. List B. Eur. & N. Amer.* p. 51 (1838); *Macgill. Brit. B.* iv. p. 319 (1852).

Limosa glottis, *Stephens in Shaw's Gen. Zool.* xii. p. 86, pl. 13 (1824).

Glottis grisea, *Brehm, Vög. Deutschl.* p. 631 (1831).

Glottis fistulans, *Brehm, tom. cit.* p. 631.

Totanus glottoides, *Vigors, P. Z. S.* 1831, p. 173; *Gould, Cent. B. Himal. Mts.* pl. 76 (1832); *Hodgs. Icon. ined. in Brit. Mus., Grall.* pls. 84 *a*, 84 *b*, no. 549; *id. in Gray's Zool. Misc.* p. 86 (1844); *Gray, Gen. B.* iii. p. 573 (1846); *Swinh. Ibis*, 1860, p. 66 (Amoy), 1861, p. 343 (Takow to Pekin); *Gray, Ibis*, 1862, p. 236 (Norfolk Isl.).

Limosa glottoides, *Sykes, P. Z. S.* 1832, p. 163 (Deccan).

Limosa horsfieldii, *Sykes, tom. cit.* p. 163.

Glottis floridanus, *Bp. Comp. List B. Eur. & N. Amer.* p. 51 (1838); *Cass. in Baird's B. N. Amer.* p. 730 (1858).

Glottis glottoides, *Gould, B. Austr.* vi. pl. 36 (1844); *Reichenb. Vög. Neuholl.* p. 337 (1850); *Macgilliv. Narr. Voy.* 'Rattlesnake,' ii. p. 358 (1852); *Gould, Handb. B. Austr.* ii. p. 265 (1865); *Ramsay, P. Z. S.* 1877, p. 338 (Queensland); *id. Proc. Linn. Soc. N. S. W.* ii. p. 198 (1878); *id. op. cit.* (2) ii. p. 172 (1888: Derby, N.W. Austr.).

Glottis canescens, *Gray, List Grallæ Brit. Mus.* p. 99 (1844); *Strickl. P. Z. S.* 1850, p. 221 (Kordofan); *id. & Scl. Contr. Orn.* 1852, p. 159 (Damara-land); *Bp. C. R.* xliii. p. 596 (1856); *Gould, P. Z. S.* 1859, p. 151 (Bangkok); *Adams, t. c.* p. 189 (Cashmere); *Loche, Expl. Sci. Algér., Ois.* ii. p. 316 (1867); *Gould, B. Gt. Br.* iv. pl. 53 (1869); *Fritsch, Vög. Eur.* tab. 38. figs. 13, 14 (1870); *Heine & Reichen. Nomencl. Mus. Hein.* p. 327 (1890).

Glottis vigorsii, *Gray, List Grallæ Brit. Mus.* p. 99 (1844); *id. Cat. Mamm. etc. Nepal pres. Hodgs.* p. 138 (1846).

Glottis horsfieldii, *Gray, tom. cit.* p. 99 (1844).

Totanus nivigula, *Hodgs. Icon. ined. in Brit. Mus., Grall.* pl. 85. figs. 1, 2, no. 766.

Totanus horsfieldii, *Gray, Gen. B.* iii. p. 573 (1846); *Scl. P. Z. S.* 1863, p. 222 (Tabanio).

Glottis nivigula, *Gray, Cat. Mamm. etc. Nepal pres. Hodgs.* p. 138 (1846).

Glottis glottis, *Licht. Nomencl. Av. Mus. Berol.* p. 91 (1854).

Glottis albicollis, *Brehm, Naum.* 1855, p. 202; *id. Vogelf.* p. 311 (1855).

Totanus (Glottis) horsfieldi, *Gray, P. Z. S.* 1860, p. 364.

Totanus canescens, *Finsch & Hartl. Vog. Ostafr.* p. 745 (1870); *Sharpe & Dresser, B. Eur.* viii. p. 173, pl. 570 (1871); *Salvad. Faun. Ital., Ucc.* p. 221 (1871); *Shelley, B. Egypt*, p. 256 (1872); *Hume, Str. F.* i. p. 247 (1873: Punjab); *Adam, t. c.* p. 397 (Sambhur, May); *Hume, Str. F.* ii. p. 260 (1874); *Reichen. J. f. O.* 1874, p. 377 (Gold Coast; Cameroons); *Irby, Orn. Straits Gibr.* p. 105 (1875); *Danf. & Harvie-Brown, Ibis*, 1875, p. 420 (Transylvania); *Shelley, t. c.* p. 86 (Durban); *Hume, Str. F.* iii. p. 183 (1875: Pegu), iv. p. 465 (1876: Cardamum Isl.); *Scully, t. c.* p. 189 (E. Turkestan); *Fairb. t. c.* p. 263 (Ahmednuggur); *Bruggem. Abhandl. nat. Ver. Bremen*, v. p. 95 (1876: Celebes); *Barratt, Ibis*, 1876, p. 213 (Molder River); *Dresser, t. c.* p. 411 (Turkestan); *Reichen J. f. O.* 1877, p. 12 (Loango Coast); *Anders. Rep. Zool. Exped. W. Yunnan*, p. 677 (1878); *Finsch, Verhandl. z.-b. ges. Wien*, xxix. p. 250 (1879: Karakul; Ob River, July); *Ayres, Ibis*, 1880, p. 268 (Transvaal, Sept.); *Bocage, Orn. Angola*, p. 464 (1881: Landana; Benguela; Mossamedes); *Sharpe in Oates's Matabele-Land*, App. B, p. 325 (1881: Inquinquesi River, Sept.); *Scl. & Hartl. P. Z. S.* 1881, p. 174 (Socotra); *Shelley, t. c.* p. 600 (Usambara Hills); *Salvad. Orn. Papuasia etc.* iii. p. 325 (1882); *id. Ann. Mus. Genov.* xviii. p. 329 (1882); *Booth, Rough Notes*, ii. (1881–87); *Nicholson, Ibis*, 1882, p. 70 (Cocos Isl., Java, Feb.); *Shelley, t. c.* p. 365 (Mashoona, Sept. Dec.); *Butler, Feilden, & Reid, Zool.* 1882, p. 425 (Newcastle, Oct.); *Salvin, Cat. Strickl. Coll.* p. 613 (1882); *B. O. U. List Brit. B.* p. 177 (1883); *Saunders, ed. Yarrell's Brit. B.* iii. p. 483 (1884); *Tristr. Faun. & Flor. Palest.* p. 134 (1883); *Sharpe, ed. Layard's B. S. Afr.* p. 687 (1884); *Salvad. Ann. Mus. Genov.* (2) i. p. 221 (1884: Shoa); *Buttik. Notes Leyd. Mus.* vii. p. 244 (1885: Liberia); *Whitehead, Ibis*, 1885, p. 43 (Corsica); *Bohm, J. f. O.* 1885, p. 66; *Dedittus, t. c.* p. 209; *Sharpe, Ibis*, 1886, p. 492 (Laos); *Buttik. Notes Leyd. Mus.* viii. p. 266 (1886); *Matschie, J. f. O.* 1887, p. 138 (Karema); *Tait, Ibis*, 1887, p. 292 (Portugal); *Chapm. Ibis*, 1888, p. 445 (Spain, Sept.); *Buttik. Notes Leyd. Mus.* x. p. 102 (1888: Barguary River); *St. John, Ibis*, 1889, p. 177 (S. Afghanistan, winter); *Saunders, Man. Brit. B.* p. 605 (1889); *Sharpe, Ibis*, 1891, p. 114 (Fao, Sept.); *id. Report 2nd Yark. Mus., Aves*, p. 140 (1891: Leh); E. of Tanksi); *Rendall, Ibis*, 1892, p. 259 (Gambia, Sept.); *Payton, t. c.* p. 471 (Mogador, May); *Meade Waldo, Ibis*, 1893, p. 205 (Canaries); *Irby, Orn. Straits Gibr.* 2nd ed. p. 286 (1895).

Totanus nebularius, *Stejn. Proc. U.S. Nat. Mus.* v. p. 37 (1882), vi. p. 71 (1883); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 267 (1884); *Stejn. Bull. U.S. Nat. Mus.* no. 29, p. 128 (1885: Bering Isl., Kamtchatka, May); *Gigl. Avif. Ital.* p. 388 (1886); *A. O. U. Check-list N. Amer. B.* p. 115 (1886); *Ridgw. Nomencl. N. Amer. B.* p. 105 (1887); *Ramsay, Tab. List Austr. B.* p. 20

(1888: Australia generally); *Gigl. Avif. Ital.*, 1*st Resoc.* p. 605 (1889), 2*nd Resoc.* p. 662 (1890), 3*rd Resoc.* p. 517 (1891); *Reichen. JB. Hamb. Wiss. Anst.* x. p. 7 (1893: Quilimane).

Totanus nebularius glottoides, *Stejn. Bull. U.S. Nat. Mus.* no. 29, p. 128 (1885).

Totanus sp., *Böhm, J. f. O.* 1885, p. 51 (Gondah).

Totanus littoreus, *Reichen. J. f. O.* 1889, p. 266 (Quilimane; Zanzibar); *id. Syst. Verz. Vög. Deutschl.* p. 48 (1889); *Brusina, Motr. etc.* (*Orn. Croatica*), p. 90 (1890); *Reichen. J. f. O.* 1890, p. 109 (Cameroons), 1892, p. 9 (Bukoba); *Fleck, J. f. O.* 1894, p. 383 (Walvisch Bay); *Sjöstedt, MT. deutsch. Schutz*, viii. p. 13 (1895: Cameroons; *Reiser, Orn. Balcanica*, p. 167 (1894).

Adult in winter plumage. General colour above ashy-brown, mottled with whitish edges to the feathers, which are freckled and sub-terminally lined with darker brown, the shaft being also well marked; scapulars clearer ashy-grey, with an interrupted sub-terminal line of blackish brown; lower back, rump, and upper tail-coverts pure white; exterior wing-coverts uniform blackish brown; median and greater coverts lighter brown, fringed with white; bastard-wing, primary-coverts, and quills blackish, the latter fringed with white at the end of the inner web; the secondaries ashy-brown, edged with white, the innermost long secondaries spotted with black on the margins; tail-feathers white, the centre ones crossed with regular but somewhat interrupted bars of brown, the other feathers with a few broken spots and bars of brown on the outer web; crown of head and hind-neck greyish brown, the feathers edged with white, imparting a streaked appearance, more marked on the head; forehead, lores, and sides of face pure white, the sides of the neck streaked narrowly with ashy-brown, as well as the upper margin of the ear-coverts; entire under surface of body pure white; the sides of the upper breast irregularly freckled with brown; under wing-coverts white, with a sub-terminal bar of brown, or a central arrow-head line of the latter colour; axillaries white, with a few remains of brown spots; lower primary-coverts ashy, with whitish edgings; quills below ashy, the lateral markings of the secondaries indicated below: "bill and feet light slate-colour; iris dark brown" (*T. Ayres*). Total length 13 inches, culmen 2·2, wing 7·2, tail 2·85, tarsus 2·15.

Adult male in breeding-plumage. Of a more ruddy-brown than in the winter plumage and with black centres to the feathers of the upper surface; the head and neck also streaked with black; sides of face white, narrowly streaked with black; under surface of body white, the lower throat, fore-neck, and chest with numerous ovate spots of black; the flanks with a few irregular bars of black; under wing-coverts and axillaries white barred with black, the bars on the latter somewhat interrupted; lower back, rump, and upper tail-coverts white, the lateral coverts barred with black; two centre tail-feathers ashy grey, slightly freckled with dusky, and notched with black on the margins; remainder of the tail-feathers white barred with blackish, the bars becoming more irregular on the lateral feathers, which have distinct bars only on

the outer webs: "bill blackish brown, lighter brownish grey towards the base, especially on the lower jaw; feet yellowish grey, the joints bluish" (*L. Stejneger*). Total length 12 inches, culmen 2·1, wing 7·5, tail 3, tarsus 2·2.

Adult female. Similar to the male in colour: "bill blackish brown, the basal half lighter, on upper mandible with a bluish, on lower one with a reddish-grey tinge; feet dirty olive-grey, the joints darker and more bluish-grey" (*L. Stejneger*).

Young after first moult. Similar to the winter plumage of the adults but much more tinged with rufous-brown and with the feathers spotted with whity-brown on both webs; centre tail-feathers white, distinctly barred across with black, and the chest also distinctly streaked with dusky; the sides of the breast spotted and mottled with dusky brown.

Hab. The same as that of the genus.

a, *b*. ♂ ♀ ad. st.	Sutherlandshire, June.	Col. Irby and Capt. Savile Reid [P.].
c. Ad. st.	Caithness, June.	Col. Irby and Capt. Savile Reid [P.].
d. Juv. sk.	Carmarthenshire.	Montagu Coll.
e. Juv. st.	S. Wales.	Rev. A. Morgan [P.].
f, *g*. ♂ ♀ juv. sk.	Lincolnshire, Sept. 4.	J. H. Caton Haigh, Esq. [P.].
h, *i*. ♂ ♀ ad. st.	Breydon Harbour, Norfolk, May (*J. E. H.*).	Harting Coll.
k. Juv. sk.	Aldeburgh, Suffolk.	Theodore Fisher, Esq. [P.].
l. ♀ ad. sk.	Kingsbury, Middlesex, Aug. 27 (*J. E. Harting*).	Seebohm Coll.
m. ♂ ad. sk.	Sittingbourne, Kent, Aug.	Gould Coll.
n. ♂ juv. sk.	Romney Marsh, Kent, Aug. 27.	Col. Irby.
o. ♂ juv. sk.	Pagham, Sussex, Aug. (*J. E. Harting*).	Tweeddale Coll.
p. Juv. sk.	Pagham, Sept. (*R. B. S.*).	Tweeddale Coll.
q, *r*. Juv. st.	Pagham, Sept. (*R. B. S.*).	Dr. R. B. Sharpe [P.].
s. Juv. st.	Torquay.	C. Coningham, Esq. [P.].
t ♂ ad. st.	Sweden, Aug. (*W. Meves*).	Capt. Clarke Kennedy.
u. Ad. sk.	Sweden, Aug. (*H. Wheelwright*).	Tweeddale Coll.
v. Ad. st.	Archangel.	Dr. R. B. Sharpe [P.].
w. ♀ ad. sk.	Fogaras, Hungary (*E. Czynk*).	Hungarian National Museum [P.].
x. Ad. sk.	Velencze, Hungary, Sept. 9.	Hungarian National Museum [P.].
y. Ad. sk.	Greece.	Gould Coll.
z. Ad. sk.	Egypt, March 17 (*G. E. S.*).	Shelley Coll.
a'. Ad. sk.	Egypt, Feb. 9 (*G. E. S.*).	Tweeddale Coll.
b'. Ad. st.	Gambia.	Governor Rendall.
c'. Ad. sk.	Gambia.	Old Coll.
d', *e'*. Ad. sk.	Accra.	Shelley Coll.

f'. ♀ ad. sk.	Otjimbinque, Damara-land, Jan. 11 (*C. J. Andersson*).	Seebohm Coll.
g'. ♂ ad. sk.	Walvisch Bay, Dec. 23 (*C. J. Andersson*).	Tweeddale Coll.
h', *i'*. Ad. sk.	Cape Colony.	Salvin-Godman Coll.
k'. ♀ ad. sk.	Orange River, Dec. 9 (*Dr. Bradshaw*).	Sharpe Coll.
l'. ♀ ad. sk.	Knysna, Jan. 6 (*C. J. Andersson*).	Seebohm Coll.
m'. ♂ imm. sk.	Knysna, Jan. 6 (*C. J. Andersson*).	Salvin-Godman Coll.
n'. Imm. sk.	Kingwilliamstown.	Major Trevelyan [P.].
o'. ♀ ad. sk.	Natal.	Seebohm Coll.
p'. Ad. sk.	Durban (*Gordge*).	Shelley Coll.
q'. ♀ ad. sk.	Modder River, Orange Free State, Dec.	F. A. Barratt, Esq. [C.].
r'. ♀ ad. sk.	Potchefstroom, Oct. 28.	Gurney Coll.
s'. Ad. sk.	Inyati, Matabele-land, Sept. (*F. Oates*).	W. E. & C. G. Oates, Esqrs. [P.].
t', *u'*. ♂ ♀ ad. sk.	Socotra, March.	Prof. I. B. Balfour [C.].
v'. ♂ ad. sk.	Socotra, March 11 (*I. B. Balfour*).	Seebohm Coll.
w'–z'. Ad. sk.	Fao, Persian Gulf, Sept.	W. D. Cumming, Esq. [P.].
a''. Juv. sk.	Alai Plateau, Aug.	St. G. Littledale, Esq. [P.].
b''. ♂ imm. sk.	Yarkand, Sept. (*Dr. G. Henderson*).	Hume Coll.
c''. ♀ ad. sk.	Kandahar, Dec. 7 (*Sir O. St. John*).	Hume Coll.
d'', *e''*. ♂ ♀ ad. sk.	Kandahar, Jan.	Col. Swinhoe [P.].
f'', *g''*. ♀ ad. sk.	River Jhelum, Sind, Nov., April (*A. O. H.*).	Hume Coll.
h'', *i''*. ♂ ad.; *k''*. ♀ ad. sk.	River Chenab, Nov., Dec. (*A. O. H.*).	Hume Coll.
l''. Ad. sk.	Ghizni, Oct. (*Dr. H. Gould*).	India Museum.
m'', *n''*. Imm. sk.	Kutch (*F. Stoliczka*).	Hume Coll.
o'', *p''*. ♂ ♀ ad. sk.	Delhi, Feb., March (*C. T. Bingham*).	Hume Coll.
q'', *r''*. ♂ ♀ ad. sk.	Gurgaon Distr., Jan. (*W. N. Chill*).	Hume Coll.
s''. ♀ ad. sk.	Murdan, Feb. (*W. H. Unwin*).	Hume Coll.
t''–v''. Imm. sk.	Gilgit, August, September.	Col. Biddulph [C.].
w''. Imm. sk.	Leh, Aug. 31 (*Dr. Stoliczka*).	Forsyth Exped.
x''. ♀ ad. sk.	Umbala, Jan. (*Dr. Scott*).	Tweeddale Coll.
y''. Ad. sk.	Gangaotri.	Old Coll.
z''–d^3. Ad. sk.	Etawah, Sept., Dec.	Hume Coll.
e^3, *f*^{3}. ♀ ad. sk.	Allahabad, Feb., June (*J. Cockburn*).	Hume Coll.
g^3, *h*^{3}. ♂ ♀ ad. sk.	Futtehghur, April, Sept.	Hume Coll.
i^3. ♂ ad. sk.	Futtehghur district, April 16 (*A. Anderson*).	Seebohm Coll.
k^3, *l*^{3}. Ad.; *m*^{3}–*r*^{3}. Juv. sk.	Nepal.	Hodgson Coll.

*s*¹ *u*¹. Ad. sk.	Nepal (*B. H. Hodgson*).	India Museum.
*r*³, *u*³. Imm. sk.	Nepal Valley, Sept., Dec.	Dr. J. Scully [P.].
*x*¹. Ad. sk.	Sikhim.	Hume Coll.
*y*¹. Ad. sk.	Darjeeling (*Colonel Sharpe*).	Seebohm Coll.
*z*³, *a*¹. Ad. sk.	Buxa Doars, Jan. 31 (*L. Mandelli*).	Hume Coll.
*b*¹. Ad. sk.	Bhotan Doars, Dec.	Hume Coll.
*c*¹. Juv. sk.	Mymensing.	Godwin-Austen Coll.
*d*¹, *e*¹. Ad. sk.	Noa-Dihing, Feb. 9.	Godwin-Austen Coll.
*f*¹. Ad. sk.	Dipur Bheel, Nov. (*A. W. Chennell*).	Godwin-Austen Coll.
*g*¹. Ad. sk.	Base of Miri Hills.	Godwin-Austen Coll.
*h*¹. Ad. sk.	Assam, Nov. (*A. W. Chennell*).	Tweeddale Coll.
*i*¹. ♀ ad. sk.	Manipur, March 19 (*A. O. H.*).	Hume Coll.
*k*¹ *m*¹. Ad. sk.	Dacca.	Hume Coll.
*n*¹ *r*¹. ♂ ♀ ad. sk.	Calcutta, Dec., Jan., April.	Hume Coll.
*s*¹, *t*¹. ♂ ♀ ad. sk.	Calcutta, Jan., Feb.	Colonel Biddulph C..
*u*¹. Ad. sk.	Behar.	Hodgson Coll.
*v*¹, *w*¹. Ad. sk.	Sangor (*Hooper*).	India Museum.
*x*¹. Ad. sk.	Raipur.	Hume Coll.
*y*¹. Ad. st.	Gwalior.	C. Maries, Esq. [P.].
*z*¹, *a*². Ad. sk.	Khandeish.	Tweeddale Coll.
*b*², *c*². ♀ ad. sk.	Khandeish, Dec. (*J. Davidson*).	Hume Coll.
*d*². Ad. sk.	Deccan. (*Sykes*).	India Museum.
*e*², *f* ². ad. ; *g*. ♀ ad. sk.	Ahmednuggur, Dec. to March (*S. B. Fairbank*).	Tweeddale Coll.
*h*² Ad. sk.	Coromandel Coast.	Seebohm Coll.
*i*². Ad. sk.	Mysore, Jan. (*R. G. W. R.*).	Tweeddale Coll.
*k*². Ad. sk.	Malabar Coast.	Tweeddale Coll.
*l*². ♂ ad. sk.	Quilon, Travancore, Feb. 25.	F. Bourdillon C..
*m*² , ad. sk	Laccadive Isl., Feb. (*A. O. H.*).	Hume Coll.
*n*² Ad. sk.	Ceylon (*H. Nevill*).	Tweeddale Coll.
*o*². Ad. sk	Ceylon, Jan. (*W. C. Buchanan*)	Seebohm Coll.
*p*² ² ad. sk	N.E. Ceylon, Jan. 2 (*W. V. Legge*).	Sharpe Coll.
q, *r* ² ; ad. sk	Pegu, Oct., April (*E. W. O.*).	Oates Coll.
*s*², *t* Ad. sk.	Tonglon, Feb. (*R. G. W. R.*).	Tweeddale Coll.
u ² ad. sk.	Elephant Point, Rangoon, Jan. (*J. Armstrong*).	Hume Coll.
v ² ad. sk	Parr Creek, Feb. 20 (*J. Armstrong*)	Hume Coll.
w, *x* ² , ad. sk.	Sittang River, Tenasserim, Feb. (*W. Davison*)	Hume Coll.
*y*² Ad. sk	Sittang River, April (*E. W. O.*).	Oates Coll.
*z*², *a* ² ; ad. sk.	Thatone, Nov., Dec. (*W. Davison*).	Hume Coll.
b ² ad. sk	Salween River	Hume Coll.
*c*² ² ad. sk	Pabyouk, Attaran R., March 11 (*W. Davison*).	Hume Coll.
f , ad. sk	Yeabeo, March 9 (*W. Davison*).	Hume Coll

e^5. ♂ ad. sk.	Assoon, March 3 (*W. Davison*).	Hume Coll.
f^5. ♂ ad. sk.	Assoon, Feb. 2 (*W. Limborg*).	Tweeddale Coll.
g^5. Ad. sk.	Amherst, Jan. 9 (*W. Davison*).	Hume Coll.
h^5. ♀ ad. sk.	Tenasserim Town, Nov. 26 (*W. Davison*).	Hume Coll.
i^5. Ad. sk.	Cochin China.	M. E. Pierre [P.].
k^5. Ad. sk.	Malacca, April (*Dr. Maingay*).	Tweeddale Coll.
l^5. ♂ ad. sk.	Java, spring (*Diard*).	Seebohm Coll.
m^5. ♂ ad. sk.	Labuan, Dec.	A. H. Everett, Esq. [P.].
n^5. Ad. sk.	Baram, Sarawak.	C. Hose, Esq. [P.].
o^5. ♀ ad. sk.	Laguna de Bai, Luzon, Nov. 12 (*A. H. Everett*).	Tweeddale Coll.
p^5. Ad. sk.	Celebes.	Tweeddale Coll.
q^5. Ad. sk.	E. Gilolo.	Wallace Coll.
r^5. ♂ ad. sk.	Halmahera, Nov.	Seebohm Coll.
s^5–x^5. Ad. sk.	Queensland (*J. T. Cockerell*).	Salvin-Godman Coll.
y^5. Ad. sk.	Port Essington.	Capt. Chambers [P.].
z^5, a^7. ♂ ♀ ad. sk.	N.W. Australia (*T.H. Bowyer Bower*).	Capt. Bowyer Bower [P.].
b^7. ♀ ad. sk.	West Australia.	Hume Coll.
c^7. ♀ ad. sk.	King George's Sound, Western Australia, March 5 (*J. G.*).	Gould Coll.
d^7. ♂ ad. sk.	South Australia.	Hume Coll.
e^7. Ad. sk.	Tasmania.	Antarctic Exped.
f^7, g^7. Ad. sk.	Shanghai, China.	J. Webb, Esq. [P.].
h^7. Ad. sk.	Canton (*Capt. Tuckett*).	Tweeddale Coll.
i^7. Ad. sk.	Canton (*S. Bligh*).	Seebohm Coll.
k^7. Ad. sk.	Kiukiang, Feb. 26.	F. W. Styan, Esq. [P.].
l^7. Ad. sk.	Hankow, April (*R. Swinhoe*).	Seebohm Coll.
m^7, n^7. Ad. sk.	Amoy, Oct., Nov. (*R. Swinhoe*).	Seebohm Coll.
o^7. ♀ ad. sk.	Chimulpo, Corea.	C. W. Campbell, Esq. [P.].
p^7. Ad. sk.	Japan.	Gould Coll.
q^7. Ad. sk.	Hakodadi, Japan, Feb. 26 (*H. Whitely*).	Tweeddale Coll.
r^7. Ad. sk.	Hakodadi, Sept. 22.	Seebohm Coll.
s^7. ♀ ad. sk.	Nagasaki, Japan, Feb. 13.	F. Ringer Esq. [P.].
t^7–y^7. Ad. et imm. sk.	Yokohama, Oct., May (*Snow & H. Pryer*).	Seebohm Coll.
z^7. Skeleton.	England.	Purchased.
a^8. Sternum.	England.	John Ray, Esq. [P.].
b^8. Bones of trunk.	Nepal.	Hodgson Coll.

54. RHYACOPHILUS.

Type.

Rhyacophilus, *Kaup, Natürl. Syst.* p. 140 (1829) ..... R. glareola.

Range. Confined to the Old World, breeding in the north of Europe and Asia, and wintering in Africa, India, and Australia.

1. Rhyacophilus glareola.

Tringa ochropus β. glareola, *Linn. Syst. Nat.* i. p. 250 (1766).

Tringa glareola, *Gm. Syst. Nat.* i. p. 677 (1788); *Lath. Ind. Orn.* ii. p. 730 (1790); *Meyer & Wolf, Taschenb.* ii. p. 387 (1810); *Meyer, Vog. Liv- u. Esthl.* p. 203 (1815).

Wood Sandpiper, *Lath. Gen. Syn.* iii. pt. 1, p. 172 (1785); *Yarrell, Brit. B.* ii. p. 534 (1843).

Tringa littorea (*nec Linn.*), *Pallas, Zoogr. Rosso-Asiat.* ii. p. 195 (1811).

Tringa grallatoria, *Mont. Orn. Dict. Suppl.* App. 8 (1813).

Totanus glareola, *Temm. Man. d'Orn.* p. 421 (1815); *Vieill. N. Dict. d'Hist. Nat.* vi. p. 398 (1816); *Leach, Syst. Cat. Mamm. &c. Brit. Mus.* p. 31 (1816: Devonshire); *Temm. Man. d'Orn.* ii. p. 654 (1820); *Boie, Isis*, 1822, p. 560); *Werner, Atlas, Grall.* pl. 22 (1827); *Fleming, Brit. Anim.* p. 103 (1828); *Less. Traité d'Orn.* p. 552 (1831); *Jenyns, Man. Brit. Vertebr.* p. 198 (1835); *Naum. Vog. Deutschl.* viii. p. 78, pl. 198 (1836); *Gould, B. Eur.* iv. pl. 315. fig. 1 (1837); *Bp. Comp. List B. Eur. & N. Amer.* p. 51 (1838); *Crespon, Orn. Gard.* p. 429 (1840); *Keys. u. Blas. Wirb. Eur.* pp. lxvii, 211 (1840); *Nordm. in Demid. Voy. Russ. Mérid.* iii. p. 244 (1840: Odessa, April); *Selys-Longch. Faun. Belge*, p. 127 (1842); *Mühle, Beitr. Orn. Griechenl.* p. 100 (1844); *Schl. Rev. Crit.* p. xciii (1844); *Gray, List Grall. Brit. Mus.* p. 100 (1844); *Rupp. Syst. Uebers.* p. 126 (1845); *Gray, Gen. B.* iii. p. 573 (1846); *id. Cat. Mamm. etc. Nepal pres. Hodgs.* p. 130 (1846); *Reichenb. Grall.* tab. lxxiv. figs. 587 88 (1850); *Thomps. B. Irel.* ii. p. 210 (1850); *Middend. Reis. Sibir., Zool.* p. 215 (1851: May); *Kjærb. Danm. Fugle*, pl. xxxvi. fig. 1 (1851); *Strickl. & Sel. Contr. Orn.* 1852, p. 150 (Damara-land); *Schl. Vog. Nederl.* pl. 246 (1854); *Licht. Nomencl. Av. Mus. Berol.* p. 92 (1854); *Heugl. Syst. Uebers.* p. 62 (1856); *Hartl. Orn. West-Afr.* p. 234 (1857: Casamanse: Gibson); *Grill, Zool. Anteekn.* pp. 11, 53 (1859: Karroo, Dec. to Feb.); *Gurney, Ibis*, 1859, p. 248 (Natal); *Heugl. Ibis*, 1859, p. 347 (Massawa); *Sunder. Sr. Fugl.* pl. xli. fig. 2 (1859); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 400 (1859); *Schrenck, Reis. Amurl.* p. 416 (1859); *Lindenm. Vog. Griechenl.* p. 139 (1860); *Swinh. Ibis*, 1860, p. 66 (Amoy); *Tristr. t. c.* p. 80 (Algeria); *Powys, t. c.* p. 344 (Lemnan Isl.); *Schl. Dier. Nederl. Vogels*, pl. 25. fig. 9 (1861); *Swinh. Ibis*, 1861, p. 343 (Takow and Pekung, Aug. to Dec.); *Hartl. J. f. O.* 1861, p. 271; *Gray, Cat. Brit. B.* p. 159 (1863); *Swinh. Ibis*, 1863, p. 373 (Shanghai, p. 407 (Formosa); *Radde, Reis. Sibir., Vog.* p. 329 (1863: July); *Wright, Ibis*, 1864, p. 146 (Malta, March to July, Sept.); *Swinh. t. c.* p. 163 (Hakodadi, May); *Kirk, t. c.* p. 332 (Shire River); *Schl. Mus. Pays-Bas*, Scolopaces, p. 71 (1864: Holland, breeding; Cape, June; China; Philippines; Java; Borneo; Celebes); *Filippi, Viagg. Persia*, p. 351 (1865); *More, Ibis*, 1865, p. 435 (Northumberland); *Pelz. Reis. Novara, Vogels*, pp. 131, 162 1865: Borneo); *Degl. & Gerbe, Orn. Eur.* ii. p. 223 (1867); *Whitely, Ibis*, 1867, p. 295 (Hakodadi); *Layard, B. S. Afr.* p. 326 (1867: Zeekoendals Vley, Nov.); *Pelz. Ibis*, 1868, p. 321 (Lake Gyagar); *Gould, B. Gt Brit.* iv. pl. 57 (1868); *Borggr. Vogelf. Norddeutschl.* p. 113 (1869); *Loderl. Arif. Sicil.* p. 185 (1869); *Drake, Ibis*, 1869, p. 154 (Morocco); *Droste, Vogelw. Borkum*, p. 189 (1869); *Stevens. B. Norf.* ii. p. 226 (1870). *Fritsch, Vog. Eur.* tab. 38. fig. 5 (1870); *Swinh. Ibis*,

1870, p. 363 (Hainan); *Finsch & Hartl. Vög. Ostafr.* p. 750 (1870); *Gray, Hand-l. B.* iii. p. 44, no. 10268 (1871); *Salvad. Faun. Ital., Ucc.* p. 219 (1871); *R. Gray, B. West Scotl.* p. 294 (1871); *Gurney, Ibis*, 1871, p. 299 (Algeria); *Saunders, t. c.* p. 387 (Spain, April, May); *Gurney in Anders. B. Dam. Ld.* p. 302 (1872); *Shelley, B. Egypt*, p. 259 (1872); *Harting, Handb. Brit. B.* p. 47 (1872); *Feilden, Zool.* 1872, p. 3249 (Faeroe Isl.); *Palmén, Finl. Foyl.* p. 155 (1873); *Severtz. Turkest. Jevotn.* p. 69 (1873: breeding); *Alston & Harvie-Brown, Ibis*, 1873, p. 67 (Archangel, breeding); *Brooke, t. c.* p. 338 (Sardinia, April); *Hume, Str. F.* i. p. 421 (1873), p. 462 (Acheen, Sumatra); *Heugl. Orn. N.O.-Afr.* ii. Abth. i. p. 1163 (1873); *Salvad. Ucc. Born.* p. 327 (1874: Sarawak); *Hume, Str. F.* ii. p. 298 (1874: Andamans), iii. p. 183 (1875: Pegu); *Salvad. Ann. Mus. Genov.* vii. p. 680 (1875); *Shelley, Ibis*, 1875, p. 86 (Durban); *Cordeaux, t. c.* p. 186 (Heligoland); *Danf. & Harvie-Brown, t. c.* p. 421 (Transylvania); *Irby, Orn. Straits Gibr.* p. 167 (1875: April, May); *Fallon, Ois. Belg.* p. 174 (1875); *Swinh. Ibis*, 1875, p. 453 (Hakodadi); *Seebohm & Harvie-Brown, Ibis*, 1876, p. 291 (Lower Petchora, May); *Brüggem. Abhandl. nat. Ver. Bremen*, v. p. 95 (1876: Celebes); *Dresser, Ibis*, 1876, p. 412; *Blanf. East. Persia*, ii. p. 285 (1876); *Tacz. Bull. Soc. Zool. France*, i. p. 251 (1876), ii. p. 156 (1877: Poland, April to Oct.); *Dresser, B. Eur.* viii. p. 143, pl. 565 (1877); *David & Oust. Ois. Chine*, p. 464 (1877); *Finsch, Ibis*, 1877, p. 58 (Ob River, July); *Ayres, t. c.* p. 351 (Transvaal); *Reichen. J. f. O.* 1877, p. 12 (Loango Coast); *Tweedd. Ibis*, 1877, p. 504 (Sumatra); *id. P. Z. S.* 1877, p. 703 (Luzon), 1878, p. 711 (N. Bohol); *Salvad. t. c.* p. 80 (Ternate); *Anders. Rep. Zool. Exped. West. Yunan*, p. 678 (1878); *Hume & Davison, Str. F.* vi. pp. 462, 521 (1878: Tenasserim); *Prjev. in Rowley's Orn. Misc.* iii. p. 88 (1878: S.E. Mongolia); *Ayres, Ibis*, 1878, p. 301 (Potchefstroom); *Blakist. & Pryer, t. c.* p. 320 (Yezo); *Bogd. B. Cauc.* p. 157 (1879); *Finsch, Verhandl. z.-b. Ges. Wien*, xxix. p. 250 (1879: Schtschutschja, July); *Seebohm, Ibis*, 1879, p. 152 (Siberia to 69° N. lat.); *Sharpe, t. c.* p. 271 (Lumbidan; Moara Isl.); *Rosenb. Malay. Archip.* pp. 278, 373 (1878–79: Goram); *Legge, B. Ceylon*, p. 857 (1880); *Salvad. Voy. Chall., Zool.* ii. *Birds*, p. 61 (1881: Ternate); *Bocage, Orn. Angola*, p. 467 (1881: Chinchonxo; Rio Coroca; Caconda); *Sharpe in Oates's Matabele Land*, App. B, p. 225 (1881: Inyati, Sept.); *Biddulph, Ibis*, 1881, p. 96 (Gilgit, April); *Scully, t. c.* p. 589 (Gilgit, spring and autumn); *Pelz. Verhandl. z.-b. Ges. Wien*, xxxi. p. 155 (1881; Lado, Feb.); *Collett, Norges Fuglef.* p. 103 (1881); *Shelley, Ibis*, 1882, p. 366 (Mashoona-land, Jan., Feb.); *Biddulph, t. c.* p. 228 (Gilgit, Aug.); *Butler, Feilden, & Reid, Zool.* 1882, p. 425 (Newcastle, Sept.; Pietermaritzburg, Dec.); *Salvin, Cat. Strickl. Coll.* p. 614 (1882); *Blakist. & Pryer, B. Japan*, p. 110 (1882); *Vorderm. Nat. Tijdschr. Nederl. Ind.* xlii. p. 68 (1882: Java); *Salvad. Ann. Mus. Genov.* xviii. p. 329 (1882); *Kelham, Ibis*, 1882, p. 17 (Perak); *Swinh. t. c.* p. 121 (Afghanistan, March); *Seebohm, t. c.* p. 223 (Astrakhan, spring & autumn: a few remaining to breed); *id. t. c.* p. 381 (Archangel, common in summer); *Salvad. Orn. Papuasia etc.* iii. p. 323 (1882); *Booth, Rough Notes*, ii. (1881–87); *Vorderm. Nat. Tijdschr. Nederl. Ind.* xlii. p. 99 (1883: Java); *B. O. U. List Brit. B.* p. 175 (1883); *Stejn. Proc. U.S. Nat. Mus.* vi. p. 71 (1883); *Giglioli, Iconogr. Avif. Ital.* no. 293 (1882-83); *Severtz. Ibis*, 1883, p. 74 (Alai and

Pamir, breeding); *Seebohm, t. c.* p. 30 (Caucasus, autumn migrant); *Oates, Handb. B. Brit. Burm.* ii. p. 401 (1883); *Saunders, ed. Yarrell's Brit. B.* ii. p. 463 (1884); *Blakist. Amended List B. Japan*, p. 11 (1884); *Tristr. Faun. & Flor. Palest.* p. 134 (1884); *Bogd. Consp. Av. Imp. Ross.* p. 97 (1884); *Radde, Orn. Cauc.* pp. 45, 423 (1884, 7000 ft., breeding); *Sharpe, ed. Layard's B. S. Afr.* p. 630 (1884); *Fischer, J. f. O.* 1885, p. 116 (Usegua); *Whitehead, Ibis*, 1885, p. 43 (Corsica, April and May); *Chapm. t. c.* p. 164 (Lapland); *Ayres, t. c.* p. 348; *Stejn. Bull. U.S. Nat. Mus.* no. 29, p. 130 (1885: Bering Isl., breeding); *Zarudn. Bull. Soc. Nat. Mosc.* 1885, p. 328; *Seebohm, Hist. Brit. B.* iii. p. 133 (1885); *Guillm. P. Z. S.* 1885, p. 695 (Waigiou); *Sharpe, Ibis*, 1886, p. 167 (Muscat); *Ayres, t. c.* p. 293 (Potchefstroom); *Giigl. Arif. Ital.* p. 395 (1886); *Salvad. Elenco Ucc. Ital.* p. 225 (1886); *Pleske, Koda-Halb.* p. 360 (1886); *Hartert, J. f. O.* 1886, p. 408 (River Niger); *Palmen, Vega-Exped.* tab. 3 (1887); *Tait, Ibis*, 1887, p. 302 (Portugal, Nov.); *Stejn. Proc. U.S. Nat. Mus.* x. p. 133 (1887); *Koenig, J. f. O.* 1888, p. 282 (Tunis); *Buttik. Notes Leyd. Mus.* x. p. 244 (1888: Umbella River, Congo, Dec.); *Irby, Key List Brit. B.* p. 49 (1888); *Seebohm, Geogr. Distr. Charadr.* p. 305 (1888); *Sharpe, Ibis*, 1888, p. 283 (Palawan); *Reichen. J. f. O.* 1889, p. 267 (Qualimane); *St. John, Ibis*, 1889, p. 177 (S. Afghanistan and Kelat); *Lilford, t. c.* p. 341 (Cyprus, May); *Everett, Journ. Straits Branch As. Soc.* 1889, p. 208 (Borneo; Palawan); *Saunders, Man. Brit. B.* p. 583 (1889); *Reichen. Syst. Verz. Vög. Deutschl.* p. 48 (1889); *Brusina, Motv. etc. (Orn. Croat.-Sl.)* p. 90 (1890); *Koenig, J. f. O.* 1890, p. 176 (Madeira); *Sclater, B. Jepan. Emp.* p. 324 (1890); *Whitehead, Ibis*, 1890, p. 50 (Palawan, June 30); *Sharpe, t. c.* pp. 144, 285 (Labuan, Aug.; Bukoba, Nov.); *Giigl. Arif. Ital., 1st Rese.* p. 559 (1889), *2nd Rese.* p. 662 (1890), *3rd Rese.* p. 517 (1891); *Frivaldsky, A. Hungar.* p. 141 (1891); *Reiser, Vogels. Landesm. Sarajevo*, p. 125 (1891); *Styan, Ibis*, 1891, pp. 331, 507 (Lower Yangtsze); *Gätke, Vogelw. Helgol.* p. 510 (1891); *Hartert, Kat. Vog. Mus. Senck.* p. 222 (1891: Wesel); *Madarasz, Erlaut. Ausst. Ungar. Vogelf.* p. 100 (1891); *Seebohm, Ibis*, 1892, p. 24 (Heligoland, spring and autumn); *Radcl, t. c.* p. 229 (Gambia, Nov.); *De La Touche, t. c.* p. 500 (Lewchow; Swatow); *Hartert, t. c.* p. 515 (E. Prussia, migrant and breeding); *Sharpe, t. c.* p. 545 (Machakos); *Reichen. J. f. O.* 1892, p. 3 (Canaries); *Meade-Waldo, Ibis*, 1893, p. 285 (Canaries); *Styan, t. c.* p. 437 (Hainan); *Taez. Mem. Acad. Imp. Sci. St. Petersb.* (7) xxxix. p. 874 (1893); *Reichen. Exp. deutsch-Ost Afr.* p. 41 (1894: Usegua, Ugalla); *Shelley, Ibis*, 1894, p. 27 (Lake Shirwa, p. 476 (Palamba River, Oct.); *Munn, t. c.* p. 74 (Cyprus, mid-winter); *Irby, Orn. Straits Gibr.* 2nd ed. p. 285 (1895); *Severtz. K. S. Vet. Acad. Forh. Stockh.* xxxi. p. 28 (1895); *Ant. Mil. deutsch. Schutz.* xvii. p. 13 (1895); *Cat. B. Brit. Mus.* xxiii. p. 167 (1895).

Totanus calidris, *Herr. Icones Leon.* fig. xvii. p. 191 (1821: Java); *Gray's Hardw. Ill. Ind. Zool.* ii. pl. 51 fig. 2 (1832), *Sel. P. Z. S.* 1858, p. 222, *Wallace, t. c.* p. 487 (Timor), *Swinh. t. c.* p. 311; *cf. Ibis*, 1861, p. 294 (Formosa).

Totanus glareola, *Steph. in Shaw's Gen. Zool.* xii. p. 148 (1824).

Rhyacophilus glareola, *Kaup, Natürl. Syst.* p. 140 (1829); *Bill, Str. Feath.* p. 131 (1874: Chota Nagpore), *Wald. Trans. Zool. Soc.* ix. pp. 253, 252 (1875: Philippines), *Hume, Str. F.* v. p. 44 (1877: Cachar), *Cripps, op. cit.* vii. p. 393 (1878: Tarnbpore), *Hume, t. c.*

(Calcutta); *id. op. cit.* viii. p. 70 (1879: Malacca; Pulo Seban; Nealys), p. 113; *Butler, Cat. B. Sind etc.* p. 64 (1879); *id. Cat. B. S. Bomb. Pres.* p. 77 (1880); *Vidal, Str. F.* ix. p. 86 (1880: S. Konkan); *Bingham, t. c.* p. 179 (Thoungyeen Valley); *Reid, Str. F.* x. p. 70 (1881: Lucknow); *Davidson, t. c.* p. 321 (1882: Khandeish); *Davison, t. c.* p. 414 (1883: Nilghiris); *Swinh. & Barnes, Ibis*, 1885, p. 134 (Mhow distr.); *Hume, Str. F.* xi. p. 324 (1888: Manipur).

Totanus sylvestris, *Brehm, Vög. Deutschl.* p. 638 (1831).

Totanus palustris, *Brehm, t. c.* p. 639.

Totanus kuhlii, *Brehm, t. c.* p. 640; *id. Vogelf.* p. 312, note.

Totanus glareoloides, *Hodgs. Icon. ined. in Brit. Mus., Grall.* pl. 84. fig. 2, no. 745, pl. 88, no. 748; *id. in Gray's Zool. Misc.* p. 86 (1844).

Actitis glareola, *Blyth, Cat. B. Mus. As. Soc.* p. 267 (1849: Calcutta); *Irby, Ibis*, 1861, p. 240 (Kumaon); *Jerd. B. Ind.* iii. p. 697 (1864); *Blyth, Ibis*, 1867, p. 169; *Godwin-Austen, J. A. S. Beng.* xxxix. p. 273 (1870: Khasia Hills); *Blanf. op. cit.* xl. p. 276 (1871: Wardha Valley); *Wald. Trans. Zool. Soc.* viii. p. 96 (1872: Gorontalo); *id. Ibis*, 1873, p. 317 (Andamans); *Ball, Str. F.* i. p. 85 (1873: Andamans, May); *Blyth & Wald. B. Burm.* p. 155 (1875); *Butler, Str. F.* iv. p. 17 (1876: Guzerat); *Fairb. t. c.* p. 263 (Ahmednuggur); *Armstrong, t. c.* p. 344 (Elephant Point); *Butler, op. cit.* v. p. 233 (1877: Deesa, Aug. to May); *Davidson & Wenden, Str. F.* vii. p. 89 (1878: Deccan); *Ball, t. c.* p. 228 (Ganges to Godaveri); *Meyer, Ibis*, 1879, p. 143 (Menado, March; Limbotto, July); *Marshall, Ibis*, 1884, p. 423 (Chamba); *Murray, Vertebr. Faun. Sind*, p. 253 (1884); *McGregor, Str. F.* x. p. 466 (1887: Mysore).

Rhynchophilus glareola, *Bp. C. R.* xliii. p. 597 (1856); *Loche, Expl. Sci. Algér., Ois.* ii. p. 325 (1867).

Rhynchophilus affinis, *Bp. C. R.* xliii. p. 597 (1856).

Adult male in winter plumage. General colour above bronzy brown, with light ashy-bronze margins to the feathers, which are slightly spotted with white on both edges; scapulars like the back, but with somewhat larger white spots; lower back and rump uniform brown, the feathers of the latter edged with white: upper tail-coverts pure white, the lateral ones with blackish shaft-streaks and irregular longitudinal markings; lesser wing-coverts uniform brown; the median and greater coverts spotted with white on both webs and resembling the scapulars; bastard-wing, primary-coverts, and quills blackish brown, fringed with white at the ends, the secondaries notched with white on both webs, with a barred appearance of blackish intermediary bands; centre tail-feathers ashy brown, barred with blackish brown, and deeply notched with white; the lateral feathers white, barred with blackish, these bars becoming irregular on the lateral feathers and reduced to a few freckles on the outermost ones; crown of head and hind-neck almost uniform ashy brown, slightly mottled with darker brown centres to the feathers; lores dusky, surmounted by a distinct white eyebrow; sides of face white, slightly streaked with dark brown; the ear-coverts uniform dark brown along their upper edge; cheeks and throat white; sides of neck, lower throat, fore-neck, and chest ashy, varied with shaft-lines

of brown; remainder of under surface of body pure white; sides of upper breast ashy brown; lateral under tail-coverts with blackish shaft-streaks and a few frecklings of black; under wing-coverts white, mottled with blackish bases to the feathers; axillaries white, with a few irregular bars and freckles; lower primary-coverts and quills below dusky brown, with whitish spots on the edges of the inner secondaries: "basal half of bill olive-brown, terminal half black; legs and feet pale greenish; claws dark horn-colour; iris brown" (*E. W. Oates*). Total length 8·5 inches, culmen 1·15, wing 4·6, tail 1·85, tarsus 1·4.

Adult male. Similar to the male: "bill blackish, olive at the base of lower mandible; feet olive; iris very dark brown" (*E. A. Butler*). Total length 8 inches, culmen 1·1, wing 4·9, tail 1·9, tarsus 1·5.

Adult male in summer plumage. More variegated than in winter, the back being uniform dark brown, with large notches of white on both webs, and having very distinct white edges to the scapulars and inner wing-coverts; the long upper tail-coverts barred with dusky blackish and resembling the centre tail-feathers; the head and neck streaked with white; the sides of the face, lower throat, and fore-neck very distinctly and broadly streaked with blackish-brown centres to the feathers; the sides of the body and under tail-coverts mottled with cross-bars of blackish brown; the axillaries also narrowly barred with blackish brown: "bill blackish olive, below at base lighter brownish olive; feet light greyish olive; iris dark brown" (*L. Stejneger*). Total length 7 inches, culmen 1·3, wing 4·9, tail 1·85, tarsus 1·4.

Young after first moult. Differs from the adults in being closely spotted on the upper surface, but the spots are more or less rufescent; the lower throat and chest are ashy as in the winter plumage of the adults, but the dusky-brown stripes are very distinct and are also visible on the sides of the body; the axillaries are pure white, or with the merest trace of frecklings of brown: "bill dusky brown, inclining to greenish olive towards the base; feet greenish olive; iris blackish brown" (*E. A. Butler*).

In the breeding season the white spots on the upper surface become much worn and abraded, so that the general appearance of the back is very uniform; the mottling on the fore-neck and chest becomes very distinct by reason of the abrasion of the white margins of the feathers, and the axillaries are completely barred across with brown.

A specimen shot by Mr. Ayres at Potchefstroom, in the Transvaal, on the 28th of August is in worn breeding-plumage, from which it would appear that the Wood Sandpiper does not always moult before leaving for its winter quarters.

Hab. Europe and Northern Asia, wintering in Africa, India, and the Malay countries, through the Moluccas Islands to Australia.

a, *b*	Ad. et juv. st.	Cambridgeshire.	Purchased.
c	Juv. st.	Aldeburgh, Suffolk.	Harting Coll.

d. Juv. st.	Aldeburgh, Aug.	Theodore Fisher, Esq. [P.].
e. ♀ ad. st.	Kingsbury Reservoir, Middlesex.	Harting Coll.
f. ♂ ad. sk.	Kingsbury Reservoir, May (*J. E. Harting*).	Seebohm Coll.
g. Ad. sk.	Kent.	Dr. Leach [P.].
h. Ad. sk.	Devonshire.	Montagu Coll.
i. Juv. st.	Torquay, Devonshire.	C. Coningham, Esq. [P.].
k. ♂ ad. sk.	Dovrefjeld, Norway.	Gould Coll.
l, *m*. ♂ ♀ ad. sk.	Vadsö, June (*H. S.*).	Seebohm Coll.
n. ♂ ad. sk.	Gardjo, Sweden, June 19 (*H. Wheelwright*).	Tweeddale Coll.
o. ♂ ad. sk.	Sweden, May 26 (*W. Meves*).	Seebohm Coll.
p. Pull. sk.	Wermland, Sweden, June 15 (*W. Meves*).	Tweeddale Coll.
q. Ad. sk.	Lapland (*F. D. G.*).	Salvin-Godman Coll.
r. ♀ ad. sk.	Abbeville, France, May.	Seebohm Coll.
s, *t*. Ad.; *u*, *v*. Pull. sk.	Holland (*J. Baker*).	Salvin-Godman Coll.
w. Pull. st.	Holland.	F. Bond, Esq. [P.].
x–*z*. Ad. et juv. sk.	Holland.	F. Bond, Esq. [P.].
a'. ♂ ad. sk.	Valkensward, May 18.	Seebohm Coll.
b'. ♀ ad. sk.	Hungary, June 6.	Hungarian National Museum [P.].
c'. Ad. sk.	Archangel.	Hume Coll.
d'. Ad. sk.	Archangel, July 12 (*J. A. Harvie-Brown*).	Seebohm Coll.
e'. ♂ ad. sk.	Ust Zylma, Petchora, May.	J. A. Harvie-Brown, Esq. [P.].
f', *g'*. ♂ ♀ ad. sk.	Ust Zylma, May, June (*H. S.*).	Seebohm Coll.
h'. ♂ ad. sk.	Vassilkova, Petchora, June 30 (*H. S.*).	Seebohm Coll.
i', *k'*. ♀ juv. sk.	Malaga, Spain, Aug. 4 (*H. Saunders*).	Tweeddale Coll.
l'. ♂ ad. sk.	Pujol, Valencia, Nov. (*H. Saunders*).	Tweeddale Coll.
m'. Ad. sk.	Corsica, April 12.	J. Whitehead, Esq. [P.].
n'. ♂ ad. sk.	Malta (*C. A. Wright*).	Seebohm Coll.
o'. Ad. sk.	Egypt.	Shelley Coll.
p', *q'*. ♂ ♀ ad. sk.	Egypt, Feb., April (*G. E. Shelley*).	Seebohm Coll.
r'. ♂ ad. sk.	Egypt, March 13 (*S. S. Allen*).	Seebohm Coll.
s'. Ad. sk.	Marshes of Babylonia (*Commander Jones*).	India Museum.
t'. Ad. sk.	Persia.	Old Coll.
u'. ♂ ad. sk.	S.E. Persia, Nov. 11.	W. T. Blanford, Esq. [P.].
v'. Juv. sk.	Muscat.	Colonel Miles [P.].
w'. Ad. sk.	Alai Mountains.	St. G. Littledale, Esq. [P.].
x'. Ad. sk.	Tundra of Schtschutschja, July (*Dr. O. Finsch*).	Geogr. Soc. Bremen.
y'. ♂ ad. sk.	Yenesei River, June 12 (*H. Seebohm*).	Tweeddale Coll.

z', a''. ♂ ♀ ad. sk.	Yenesei River, June (*H. & J.*).	Seebohm Coll.
b''. ♂ ad. sk.	Darasun, Dauuria, May 25 (*Dybowsky*).	Seebohm Coll.
c''-f''. ♂ ad.; g''. ♀ ad. sk.	Candahar, April, May (*Sir O. St. John*).	Hume Coll.
h''. ♀ imm. sk.	Gungazai, May.	Colonel Swinhoe [P.].
i''. Ad. sk.	Quetta, May 7.	Colonel Swinhoe [P.].
k''. Ad. sk.	Nal, Kelat, March 3 (*O. T. Duke*).	Hume Coll.
l''. Ad. sk.	Bhawulpur, Sind, Jan. 14.	Hume Coll.
m''. ♀ ad. sk.	Karachi, Sept. (*E. A. Butler*).	Hume Coll.
n''. ♀ ad. sk.	Mount Aboo, May 6 (*G. King*).	Hume Coll.
o'', p''. ♀ ad. sk.	Mount Aboo, May (*E. A. Butler*).	Hume Coll.
q''. ♂ ad.; r'', s''. ♀ ad. sk.	Sambhur, May, June, Dec. (*R. M. Adam*).	Hume Coll.
t'', u''. ♀ ad. sk.	Parbutsur, near Sambhur Lake, Dec. 15 (*A. O. H.*).	Hume Coll.
v''. ♂ ad. sk.	Saharunpur, April 4 (*G. F. L. Marshall*).	Seebohm Coll.
w''. ♂ ad.; x'', y''. ♀ ad sk.	Delhi, March, May (*C. T. Bingham*).	Hume Coll.
z'' c^1. ♂ ad.; d^1, e^1. ♀ ad. sk.	Sultanpur, Gurgaon, Jan., April, May, Oct. (*W. N. Chill*).	Hume Coll.
f^1. ♂ ad. sk.	Gurgaon Distr., Jan. 2 (*A. O. H.*).	Hume Coll.
g^1 k^1. Ad. sk.	Sirsa Distr., April, May (*A. O. H.*).	Hume Coll.
l^1. ♂ ad.; m^1, n^1. ♀ ad. sk.	Gilgit, April, May, Sept. (*J. Biddulph*).	Hume Coll.
o^1-t^1. ♂ ad.; u^1. ♀ ad. sk.	Gilgit, April, May, Aug.	Colonel Biddulph [C.].
v^1. Ad. sk.	Singrowlee, Mirzapur Distr., March (*R. Thompson*).	Hume Coll.
w^1 b^4. ♂ ♀ ad. sk.	Etawah, Sept., Oct., Jan.	Hume Coll.
c^4. ♀ ad. sk.	Cawnpore, Feb. 20, 1870.	Hume Coll.
d^4. Ad. sk.	Oudh, Dec.	Hume Coll.
e^4, f^4. ♂ ♀ ad. sk.	Futtehghur, Sept. (*A. Anderson*).	Hume Coll.
g^4. ♂ juv. sk.	Futtehghur, Sept. 6 (*A. Anderson*).	Seebohm Coll.
h^4. Ad. sk.	Nepal.	Hodgson Coll.
i^4. Ad. sk.	Darjiling Terai, Jan.	Hume Coll.
k^4. Ad. sk.	Assam (*McClelland*).	India Museum.
l^4, m^4. Ad. sk.	Dipur Bheel, Assam, Dec. (*A. W. Chennell*).	Tweeddale Coll.
n^4. ♂ ad. sk.	Dibrughur, May 7 (*J. R. Cripps*).	Hume Coll.
o^4, p^4. Ad. sk.	Dacca (*R. C. Tytler*).	India Museum.
q^4. Ad. sk.	Dacca.	Hume Coll.
r^4, s^4. Ad. sk.	Calcutta, Jan., Feb.	Hume Coll.
t^4. ♀ ad. sk.	Calcutta, Jan.	Col. Biddulph [C.]
u^4. Ad. sk.	Raipur.	Hume Coll.
v^4. ♀ ad. sk.	Mhow, March 9.	Col. Swinhoe [C.].
w^4, x^4. ♂ ad.; y^4, z^4. ♀ ad. sk.	Khandeish, May, Oct., Dec. (*J. Davidson*).	Hume Coll.

a^5. Ad. sk.	Deccan (*Sykes*).	India Museum.
b^5. ♂ ad. sk.	N. of Ahmednuggur, Feb. 9 (*S. B. Fairbank*).	Tweeddale Coll.
c^5. ♂ ad. sk.	Bangalore, March 24 (*R. G. W. R.*).	Tweeddale Coll.
d^5. ♀ ad. sk.	Malabar Coast (*Capt. Bulger*).	Seebohm Coll.
e^5. Ad. sk.	Anjango, Travancore.	Hume Coll.
f^5. ♀ ad. sk.	Ceylon, Dec. 11 (*S. Chapman*).	Tweeddale Coll.
g^5. ♂ ad. sk.	Cotta, Ceylon, Dec. 9.	Dr. R. B. Sharpe [P.].
h^5. ♂ ad. sk.	Cabwet, Upper Burma, Jan.	Dr. John Anderson [C.].
i^5, k^5. Ad. sk.	Tonghoo.	Tweeddale Coll.
l^5, m^5. ♀ ad. sk.	Tonghoo, Nov. 9 (*R. G. W. R.*).	Tweeddale Coll.
n^5, o^5. ♂ ad.; p^5. ♀ ad. sk.	Lower Pegu, Aug., Sept. (*E. W. O.*).	Oates Coll.
q^5, r^5. ♀ ad. sk.	Karen-nee, March 29 (*R. G. W. R.*).	Tweeddale Coll.
s^5. ♀ ad. sk.	Elephant Point, Dec. 15 (*J. Armstrong*).	Hume Coll.
t^5–g^6. ♂ ad.; h^6–s^6. ♀ ad. sk.	Thatone, Oct.–Jan. (*W. Davison*).	Hume Coll.
t^6. ♀ ad. sk.	Nedong, Attaran River, Dec. 11 (*W. Davison*).	Hume Coll.
u^6. ♂ ad. sk.	Yeaboo, Dec. 24 (*W. Davison*).	Hume Coll.
v^6–x^6. ♂ ad. sk.	Tavoy, Jan., March (*W. Davison*).	Hume Coll.
y^6. ♀ ad. sk.	Mergui, Jan. (*W. Davison*).	Hume Coll.
z^6–b^7. ♂ ad.; c^7–g^7. ♀ ad. sk.	Salang, Island of Tonka, Feb., March (*J. Darling*).	Hume Coll.
h^7. Ad. sk.	Penang (*Dr. Cantor*).	India Museum.
i^7. Ad. sk.	Malacca (*Dr. Maingay*).	Tweeddale Coll.
k^7–n^7. Ad. sk.	Malacca, July (*W. Davison*).	Hume Coll.
o^7. ♂ ad. sk.	Nealys, Oct. 19 (*W. Davison*).	Hume Coll.
p^7. ♀ ad. sk.	Pulo Seban, Nov. 9 (*W. Davison*).	Hume Coll.
q^7. Ad. sk.	Saigon, Cochin China.	M. E. Pierre [P.].
r^7, s^7. ♂ ad.; t^7. ♀ ad. sk.	South Andamans, Dec., Jan. (*R. G. W. R.*).	Tweeddale Coll.
u^7, v^7. ♂ ad.; w^7, x^7. ♀ ad. sk.	Port Blair, Sept. (*R. J. Wimberley*).	Hume Coll.
y^7, z^7. ♀ ad. sk.	Acheen, Sumatra, Feb. 1 (*W. Davison*).	Hume Coll.
a^8. Ad. sk.	Lampong, S.E. Sumatra (*E. C. Buxton*).	Tweeddale Coll.
b^8. Ad. sk.	Java.	Tweeddale Coll.
c^8–g^8. Ad. sk.	**Java (*Horsfield*).**	**India Museum. (Types of *T. affinis*.)**
h^8. Ad. sk.	West Java (*A. R. Wallace*).	Seebohm Coll.
i^8. Ad. sk.	Sarawak, Borneo, Sept. 21 (*A. H. Everett*).	Hume Coll.
k^8. Ad. sk.	Baram, Oct. 10.	A. H. Everett, Esq. [C.].
l^8–n^8. Ad. sk.	Labuan, Jan., April, Dec.	A. H. Everett, Esq. [C.].
o^8. Ad. sk.	Philippine Islands.	H. Cuming [C.].
p^8. ♀ ad. sk.	Luzon, Feb. 7 (*A. B. Meyer*).	Tweeddale Coll.
q^8, r^8. ♂ ad. sk.	Bohol, Nov. (*A. H. Everett*).	Tweeddale Coll.

a^6, t^6. Ad. sk.	Celebes.	Tweeddale Coll.
u^6. Ad. sk.	Morotai.	Wallace Coll.
v^6. ♀ ad. sk.	Ternate.	Voy. of H.M.S. 'Challenger.'
w^6, x^6. Ad. sk.	East Timor.	Wallace Coll.
y^6. Ad. sk.	Bird Island, near Cape Grenville, Australia (*J. T. Cockerell*).	Salvin-Godman Coll.
z^6. ♀ ad. sk.	N.W. Australia (*T. H. Bowyer Bower*).	Capt. Bowyer Bower [P.].
a^7, b^7. Ad. sk.	South Australia.	Capt. Sturt [P.].
c^7–e^7. Ad. sk.	Amoy, April, Sept., Oct. (*R. Swinhoe*).	Seebohm Coll.
f^7, g^7. Ad. sk.	Canton, China.	Tweeddale Coll.
h^7, i^7. Ad. sk.	Canton (*S. Bligh*).	Seebohm Coll.
k^7. ♂ ad. sk.	Shanghai (*Capt. Ince*).	Gould Coll.
l^7, m^7. ♂ ♀ ad. sk.	Shanghai, May (*R. Swinhoe*).	Seebohm Coll.
n^7. Ad. sk.	Yokohama (*H. Pryer*).	Seebohm Coll.
o^7. ♂ ad. sk.	Hakodadi, Japan, May (*Capt. J. Blakiston*).	Tweeddale Coll.
p^7. Ad. sk.	Hakodadi, Nov. 4 (*H. Whitely*).	Tweeddale Coll.
q^7, r^7. ♂ et juv. sk.	Hakodadi, May, Sept. (*Capt. Blakiston*).	Seebohm Coll.
s^7. Ad. sk.	Nagasaki, April 16.	F. Ringer, Esq. [P.].

African specimens.

t^7. Ad. sk.	Bathurst, River Gambia (*Quinn*).	Seebohm Coll.
u^7, v^7. Ad. sk.	South Africa (*E. L. Layard*).	Salvin-Godman Coll.
w^7. Ad. sk.	Cape Colony (*Butler*).	Seebohm Coll.
x^7. Ad. sk.	Bloemfontein, spring.	Tweeddale Coll.
y^7. ♀ ad. sk.	Natal, Nov. (*T. L. Ayres*).	Seebohm Coll.
z^7. ♀ ad. sk.	Newcastle, Natal, Nov. 28 (*S. G. Reid*).	Shelley Coll.
α γ. ♂ ♀ ad. sk.	Newcastle, Sept., Oct., Dec.	Capt. Saville Reid [P.].
δ, ϵ. Ad. sk.	Transvaal (*T. Ayres*).	Sharpe Coll.
ζ, η. ♀ ad. sk.	Potchefstroom, Aug., Dec. (*T. Ayres*).	Gurney Coll.
θ. ♀ ad. sk.	Inyati, Matabele-land, Sept. (*F. Oates*).	W. E. & C. G. Oates, Esqrs. [P.].
ι. ♂ ad. sk.	Otjimbinque, Damara-land, Dec. 15 (*C. J. Andersson*).	Seebohm Coll.
κ. Skeleton.	S. Europe.	Purchased.
λ. Sternum.		
μ. Bones of trunk.	Nepal.	Hodgson Coll.

55. PAVONCELLA.

	Type.
Pavoncella, *Leach, Syst. Cat. Mamm. & B. Brit. Mus.* p. 29 (1816)	P. pugnax.
Machetes, *Cuvier, Règne Anim.* p. 480 (1817)	P. pugnax.
Philomachus, *Gray, List Gen. B.* 1841, p. 80	P. pugnax.

Range. Almost the whole of the Old World; accidental in America.

1. Pavoncella pugnax.

The Ruff and Reeve, *Albin, Nat. Hist. B.* i. p. 69, pls. 72, 73 (1738).
Mr. Oldham's Reve, *Albin, op. cit.* iii. p. 84, pl. 89 (1740).
Le Chevalier, *Briss. Orn.* v. p. 188, pl. xvii. fig. 1 (1760); *D'Aubent. Pl. Enl.* viii. pl. 844.
Le Chevalier cendré, *Briss. tom. cit.* p. 203, pl. xvii. fig. 2.
Le Combattant ou Paon de Mer, *Briss. tom. cit.* p. 240, pl. xxii. figs. 1, 2.
Tringa pugnax, *Linn. Syst. Nat.* i. p. 247 (1766); *Gm. Syst. Nat.* i. p. 669 (1788); *Vieill. N. Dict. d'Hist. Nat.* xxxiv. p. 458, pl. B 29. fig. 2 (1819); *Temm. Man. d'Orn.* ii. p. 631 (1820); *Licht. Verz. Doubl.* p. 74 (1823); *Roux, Orn. Prov.* pls. 290–292 (1825); *Werner, Atlas, Grall.* pl. 14 (1827); *Fleming, Brit. Anim.* p. 110 (1828); *Ménétr. Cat. Rais. Cauc.* p. 51 (1832); *Jenyns, Man. Brit. Vertebr.* p. 207 (1835); *Schl. Rev. Crit.* p. xci (1844); *id. Vog. Nederl.* pl. 236 (1854); *id. Dier. Nederl. Vogels*, pl. 23. figs. 5–8, 8*a* (1861); *id. Mus. Pays-Bas*, Scolopaces, p. 51 (1864); *Blanf. East. Persia*, ii. p. 284 (1876); *Legge, Ibis*, 1878, p. 204 (Kirinde, Ceylon: March); *Lawr. Proc. U.S. Nat. Mus.* i. p. 451 (1879: Guadeloupe); *Irby, Key List Brit. B.* p. 48 (1888); *Gätke, Vogelw. Helgol.* p. 526 (1891).
Tringa littorea, *Linn. Syst. Nat.* i. p. 251 (1766); *Gm. Syst. Nat.* i. p. 677 (1788).
Paon de mer, *D'Aubent. Pl. Enl.* viii. pls. 305, 306.
Les Combattans Paons de mer, *Buff. Hist. Nat. Ois.* vii. p. 521, pls. xxix., xxx. (1780).
Le Chevalier commun, *Buff. tom. cit.* p. 530.
Le Chevalier varié, *D'Aubent. Pl. Enl.* viii. pl. 300; *Buff. Hist. Nat. Ois.* vii. p. 517 (1780).
Ruff, *Lath. Gen. Syn.* iii. pt. 1, p. 159 (1775); *Yarrell, Brit. B.* ii. p. 573 (1843).
Green Sandpiper, var. A. & B., *Lath. t. c.* p. 171.
Greenwich Sandpiper, *Lath. Gen. Syn. Suppl.* i. p. 249 (1787).
Tringa grenovicensis, *Lath. tom. cit.* p. 293 (Greenwich, Aug.); *id. Ind. Orn.* ii. p. 731 (1790).
Tringa equestris, *Lath. Ind. Orn.* ii. p. 730 (1790).
Equestrian Sandpiper, *Lath. Gen. Syn. Suppl.* ii. p. 311 (1802: Sandwich).
Tringa rufescens (*nec Vieill.*), *Bechst. Naturg. Deutschl.* iii. p. 332 (1809), *teste Dresser, B. Eur.* viii. p. 87.
Trynga pugnax, *Pall. Zoogr. Rosso-Asiat.* ii. p. 190 (1811).
Pavoncella pugnax, *Leach, Syst. Cat. Mamm. &c. Brit. Mus.* p. 29 (1816: Lincolnshire); *Stejn. Proc. U.S. Nat. Mus.* v. p. 38 (1882); *id. Bull. U.S. Nat. Mus.* no. 29, pp. 317, 337, 346 (1885); *A. O. U. Check-l. N. Amer. B.* p. 157 (1886); *Stejn. Proc. U.S. Nat. Mus.* x. p. 133 (1887: Commander Isl.); *Brusina, Motr. etc.* (*Orn. Croat.*) p. 90 (1890); *Stejn. Proc. U. S. Nat. Mus.* xiv. p. 492 (1891), xv. p. 292 (1892: Japan); *Palmer, Auk*, xi. p. 325 (1894: Virginia).
Totanus pugnax, *Nilss. Orn. Suec.* ii. p. 71 (1817); *Seebohm, Hist. Brit. B.* iii. p. 113 (1885); *id. Geogr. Distr. Charadr.* p. 373 (1888); *Reichen. Syst. Verz. Vög. Deutschl.* p. 47 (1889); *Seebohm, B. Japan. Emp.* p. 327 (1890); *Reichen. J. f. O.* 1892, p. 9 (Bukoba); *id. Vög. deutsch-Ost-Afr.* p. 42 (1895: Lindi; Kagehi; Bukoba).
Machetes pugnax, *Cuv. Règne Anim.* i. p. 490 (1817); *Less. Traité d'Orn.* p. 560 (1831); *Naum. Vög. Deutschl.* vii. p. 502, pls. 190–

193 (1834); *Gould, B. Eur.* iv. pl. 325 (1837); *Bp. Comp. List B. Eur. & N. Amer.* p. 50 (1838); *Crespon, Orn. Gard*, p. 419 (1840); *Keys. & Blas. Wirb. Eur.* pp. lxxv, 213 (1840); *Nordm. in Demid. Voy. Russ. Mérid.* iii. p. 241 (1840); *Selys-Longch. Faun. Belge*, p. 126 (1842); *Strickl. Ann. & Mag. Nat. Hist.* xii. p. 421 (1843: Corfu); *Mühle, Beitr. Orn. Griechenl.* p. 102 (1844); *Hodgs. in Gray's Zool. Misc.* p. 86 (1844); *Hewits. Eggs Brit. B.* ii. p. 301, pl. lxxxiv. (1846); *Thomps. B. Irel.* ii. p. 230 (1850); *Strickl. P. Z. S.* 1850, p. 221 (Kordofan); *id. Ann. & Mag. Nat. Hist.* (2) ix. p. 349 (1852); *Harcourt, P. Z. S.* 1851, p. 146; *Kjærb. Danm. Fugle*, pl. xxxvi. fig. 2, *Suppl.* pl. xv. figs. 1–3 (1851); *Macgill. Brit. B.* iv. p. 171 (1852); *Strickl. & Sel. Contr. Orn.* 1852, p. 159 (Damara-land); *Licht. Nomencl. Av. Mus. Berol.* p. 92 (1854); *Heugl. Syst. Uebers.* p. 63 (1856); *Bp. C. R.* xlii. p. 596 (1856); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 463 (1859); *Sundev. Sv. Fogl.* pl. xxxix. figs. 1–6 (1860); *Linderm. Vog. Griechenl.* p. 141 (1860); *Tristr. Ibis*, 1860, p. 80 (Tuggurt); *Powys, t. c.* p. 343 (Gulf of Arta, March); *Radde, Reis. Sibir., Vog.* p. 331 (1863); *Collett, Œfvers. Christ.* 1864, p. 193; *Wright, Ibis*, 1864, p. 147 (Malta); *Nordm. J. f. O.* 1864, p. 374 (Lapland); *Antin. Cat. descr. Ucc.* p. 109 (1864); *More, Ibis*, 1865, p. 437 (Northumberland, breeding); *Degl. & Gerbe, Orn. Eur.* ii. p. 211 (1867); *Loche, Expl. Sci. Alger., Ois.* ii. p. 299 (1867); *Borggr. Vogelf. Norddeutschl.* p. 116 (1869); *Dederl. Arch. Sicil.* p. 187 (1869); *Stevens. B. Norf.* ii. p. 261 (1870); *Wyatt, Ibis*, 1870, p. 17 (Sinai); *Fritsch, Vog. Eur.* tab. 38. fig. 1, tab. 43. figs. 4, 5 (1870); *Saunders, Ibis*, 1871, p. 388 (S. Spain); *Salvad. Faun. Ital., Ucc.* p. 215 (1871); *R. Gray, B. West. Scotl.* p. 307 (1871); *Blanf. J. A. S. Beng.* xl. p. 276 (1871: Wardha Valley); *Gould, B. Gt. Brit.* iv. pls. 61, 62 (1871–72); *Harting, Handb. Brit. B.* p. 48 (1872); *Shelley, B. Egypt*, p. 246 (1872); *Antin. & Salvad. Viagg. Bogos*, p. 146 (1873: Keren, Sept.); *Palmen, Finl. Fogl.* p. 169 (1873); *Tacz. J. f. O.* 1873, p. 103; *Brooke, Ibis*, 1873, p. 330 (Sardinia); *Severtz. Turkest. Jevotn.* p. 59 (1873: migrant); *Heugl. Orn. N.O.-Afr.* ii. Abth. i. p. 1180 (1873: Egypt; Nubia; Senar; Takah and E. Kordofan; Abyssinia, up to 10,000 feet); *Durnf. Ibis*, 1874, p. 386 (N. Persian Isl.); *Seeby, B. Sheti.* p. 198 (1874); *Irby, Orn. Straits Gibr.* p. 170 (1875); *Fallon, Ois. Belg.* p. 172 (1875); *Cordeaux, Ibis*, 1875, p. 185 (Heligoland); *Pelz. t. c.* p. 332 (Spanish Guinea); *Danf. & Harvie-Brown, t. c.* p. 422 (Transylvania); *Tacz. Bull. Soc. Zool. France*, i. p. 251 (1876); *Seebohm & Harvie-Brown, Ibis*, 1876, p. 282 (Lower Petchora); *Dresser, t. c.* p. 410; *Tacz. Bull. Soc. Zool. France*, ii. p. 157 (1877: Poland); *Dresser, B. Eur.* viii. p. 87, pls. 557, 558 (1878); *Blakist. & Pryer, Ibis*, 1878, p. 221 (Japan); *Hume & Davison, Str. F.* vi. p. 490 (1878: Tenasserim); *Davidson & Wenden, op. cit.* vii. p. 89 (1878: Deccan); *Murray, t. c.* p. 114 (Sind); *Seebohm, Ibis*, 1879, p. 151 (Siberia); *Boyd. B. Cau.* p. 170 (1879); *Finsch, Verhandl. z.-b. Ges. Wien*, xxix. p. 250 (1879: Samarova; Ursa, 67° N. lat.; Omsk); *Hume, Str. F.* viii. p. 112 (1879); *Scully, t. c.* p. 357 (Nepal Valley); *Butler, Cat. B. Sind etc.* p. 62 (1879: winter); *id. Cat. B. N. Bomb. Pres.* p. 76 (1880: cold season); *Legge, B. Ceylon*, p. 873 (1880); *Vidal, Str. F.* ix. p. 85 (1880: S. Konkan); *Butler, t. c.* p. 429 (Belgaum); *Reid, Str. F.* x. p. 70 (1881: Lucknow); *Biddulph, Ibis*, 1881, p. 401 (Gilgit); *Scully, t. c.* p. 588; *Bocage, Orn. Angola*, p. 471 (1881: Benguela; Mossamedes; Huilla; Quil-

lengues); *Salvin, Cat. Strickl. Coll.* p. 611 (1882); *Swinh. Ibis*, 1882, p. 121 (Kandahar); *Seebohm, t. c.* p. 223 (Astrakhan); *Biddulph, t. c.* p. 287; *Seebohm, t. c.* p. 381 (Archangel); *Butler, Feilden, & Reid, Zool.* 1882, p. 425 (Natal); *Oates, Str. F.* x. p. 240 (1882: Pegu); *Davidson, t. c.* p. 321 (West Khandeish); *Oates, Handb. B. Brit. Burm.* ii. p. 396 (1883); *B. O. U. List Brit. B.* p. 171 (1883); *Nicholson, Ibis*, 1883, p. 86 (Labuan); *Irby, t. c.* p. 186 (Santander); *Booth, Rough Notes*, ii. pls. 54–57 (1881–87); *Gigl. Iconogr. Avif. Ital.* no. 289; *Saunders, ed. Yarrell's Brit. B.* iii. p. 426 (1884); *Seebohm, Ibis*, 1884, p. 33 (Hakodadi); *Saunders, t. c.* p. 390 (Pyrenees); *Bogd. Consp. Av. Imp. Ross.* i. p. 88 (1884); *Radde, Orn. Cauc.* pp. 44, 246 (1884: 6300 feet); *Sharpe, ed. Layard's B. S. Afr.* p. 685 (1884); *Salvad. Ann. Mus. Genov.* (2) i. p. 222 (1884: Shoa, Nov. to May); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 292 (1884); *Whitehead, Ibis*, 1885, p. 43 (Corsica); *Swinhoe & Barnes, t. c.* p. 134 (Mhow distr.); *Ayres, t. c.* p. 348 (Potchefstroom); *Gigl. Avif. Ital.* p. 391 (1886); *Salvad. Elenco Ucc. Ital.* p. 222 (1886); *Tait, Ibis*, 1887, p. 391 (Portugal); *Harvie-Brown & Buckley, Vertebr. Faun. Caithn.* p. 221 (1887); *Reichen. J. f. O.* 1887, p. 47 (Kagehi, Jan.); *Harvie-Brown & Buckley, Vertebr. Faun. Outer Hebrides*, p. 134 (1888); *Hume, Str. F.* xi. p. 323 (1888: Manipur); *Koenig, J. f. O.* 1888, p. 279 (Tunis); *Salvad. Ann. Mus. Genov.* (2) vi. p. 312 (1888: Lake Cialalakà, Feb.); *Saunders, Man. Brit. B.* p. 585 (1889); *Everett, Journ. Straits Branch As. Soc.* 1889, p. 208 (Labuan); *St. John, Ibis*, 1889, p. 177 (S. Afghanistan); *Lilford, t. c.* p. 341 (Cyprus); *Feilden, t. c.* p. 494 (Barbados); *Ogilvie-Grant, Ibis*, 1890, p. 442 (Madeira); *Gigl. Avif. Ital.*, 1*st Resoc.* p. 593 (1889), 2*nd Resoc.* p. 654 (1890), 3*rd Resoc.* p. 513 (1891); *Buckley & Harvie-Brown, Vertebr. Faun. Orkney Is.* p. 218 (1891); *Emin, J. f. O.* 1891, p. 345 (Albert Nyanza); *Reiser, Vogels Landesm. Sarajevo*, p. 126 (1891); *Macph. Vertebr. Faun. Lakel.* p. 389 (1892); *Meade-Waldo, Ibis*, 1893, p. 205 (Canary Isl.); *Tacz. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 885 (1893); *Shelley, Ibis*, 1894, pp. 26, 476 (Nyasaland); *Irby, Orn. Straits Gibr.* 2nd ed. p. 283 (1895).

Machetes alticeps, *Brehm, Vög. Deutschl.* p. 670, pl. xxxiv. fig. 4 (1831).

Machetes planiceps, *Brehm, tom. cit.* p. 671.

Totanus indica, *Gray & Hardw. Illustr. Ind. Zool.* ii. pl. 52. fig. 1, pl. 54. figs. 1, 2 (1832).

Limosa hardwickii, *Gray, tom. cit.* pl. 52. fig. 2.

Philomachus pugnax, *Gray, List Gen. B.* p. 89 (1841); *id. List Grall. Brit. Mus.* p. 102 (1844); *id. Gen. B.* iii. p. 579 (1845); *Rüpp. Syst. Uebers.* p. 126 (1845); *Gray, Cat. Mamm. &c. Nepal pres. Hodgs.* p. 140 (1846); *Hartl. Orn. West-Afr.* p. 236 (1857: Gaboon); *Cass. in Baird's B. N. Amer.* p. 737 (1858); *Hartl. J. f. O.* 1861, p. 271 (Casamanse); *Irby, Ibis*, 1861, p. 241 (Oudh); *Gurney, Ibis*, 1862, p. 34 (Natal); *Newton in Baring-Gould's Iceland*, p. 412 (1863: Sept. 1820); *Gray, Cat. Brit. B.* p. 164 (1863); *Jerd. B. Ind.* iii. p. 687 (1864); *Layard, B. S. Afr.* p. 329 (1867); *Droste, Vogelw. Borkum*, p. 205 (1869); *Gray, Hand-l. B.* iii. p. 48, no. 10299 (1871); *Gurney in Anderss. B. Dam.-Ld.* p. 304 (1872); *Alston & Harvie-Brown, Ibis*, 1873, p. 69 (Archangel); *Ayres, t. c.* p. 283 (Transvaal); *Hume & Henders. Lahore to Yark.* p. 287 (1873); *Hume, Str. F.* i. p. 239

(1873: Sind); *Stoliczka, op. cit.* ii. p. 485 (1874: Kashgar); *Buckley, Ibis*, 1874, p. 388 (Matabele Country); *Blyth & Wald. B. Burm.* p. 156 (1875: Arakan); *Butler, Str. F.* iv. p. 17 (1876: Deesa); *Hume, t. c.* p. 17 note; *Butler, op. cit.* v. p. 233 (1877: Deesa, July to March); *Hume, t. c.* p. 224 (Mouth of Sittang River); *Ayres, Ibis*, 1877, p. 359 (Transvaal); *Sharpe in Oates's Matabele Land*, App. B. p. 325 (1881: Mopani Pan, near Ramaqueban R., Nov.); *Pelz. Verhandl. z.-b. Ges. Wien*, xxxi. pp. 600, 617 (1881: Redjaf; Lado, Dec.); *Holub & Pelz. Beitr. Orn. Südafr.* p. 282 (1882: Matabele, July); *Murray, Vertebr. Faun. Sind*, p. 248 (1884); *Seton, Auk*, ii. p. 336 (1885: Toronto); *Fischer, J. f. O.* 1885, p. 116 (Lindi, April); *Palmén, Vega Exped.* v. tab. iii. (1887); *Frivaldsky, Av. Hung.* p. 144 (1891: arriving at end of March, occasionally); *Madarász, Erlaut. Ausst. Ungar. Vogelf.* p. 110 (1891).

Machetes optatus, *Hodgs. Icon. ined in Brit. Mus., Gray.* pl. 95, nos. 336, 412, pl. 95*a* no. 336, App. pl. 47; *id. in Gray's Zool. Misc.* p. 86 (1844).

Philomachus pugnax indicus, *Reichenb. Gray.* tab. lxxii. figs. 526 (30) (1850).

Tringa (Machetes) pugnax, *Middend. Reis. Sibir., Zool.* p. 218 (1851: Taimyr R.; Boganida).

Machetes minor, *Brehm, Vogelf.* p. 320 (1855).

Terekia cinerea (*nec Guld.*), *Butler, Str. F.* iv. p. 17 (1876); *id. Str. F.* v. p. 233 (Deesa, July March).

Adult male in winter plumage. General colour above ashy brown, with whitish fringes to the feathers, which have dusky-brown centres; the lesser and median wing-coverts like the back; greater coverts blackish, with a slight greenish gloss, and broadly tipped with white; bastard-wing and primary-coverts blackish; quills brown, with white shafts, the outer webs and tips of the feathers blackish, the secondaries white at the base of the inner webs, and fringed with white at the ends; the innermost secondaries browner like the scapulars; lower back, rump, and upper tail-coverts a little darker brown than the rest of the back, with darker brown centres to the feathers; tail-feathers dark brown, with narrow whitish tips and shafts; crown of head and neck light brown, the former slightly mottled with darker centres to the feathers; lores and cheeks ashy white; ear-coverts and neck light brown, with dusky streaks; under surface of body white, the lower throat and chest mottled with ashy bases to the feathers, and the sides of the body marked in a similar manner; axillaries and under wing-coverts white, the lower primary-coverts and quill-lining ashy grey; "bill dark brown, paler at the gape; feet yellowish brown; iris dark brown" (*E. W. Oates*). Total length 12 inches, culmen 1·3, wing 7·4, tail 2·6, tarsus 1·8.

Adult female in winter plumage. Similar to the male, but much smaller. Total length 10·5 inches, culmen 1·2, wing 6·1, tail 2·15, tarsus 1·55.

Adult male in summer plumage. This plumage varies to such an extent that it is impossible to describe it exactly, scarcely two Ruffs in full plumage being alike in colour.

In the series in the British Museum there seem to be the following recognizable types of plumage:—

A. Occipital tufts and ruff *uniform white*; head white; back powdered with grey; breast-plumes black.

B. Occipital tufts *black*; ruff *uniform white*; head greenish black like the ruff; back purplish black; breast-plumes black. A variation of this type exhibits faint frecklings of black on the ruff, with a little black on the throat.

C. Rufous type. Ruff *uniform white*; crown of head and occipital tufts *rufous*, which is the general tone of the upper surface; breast-feathers rufous, with rather broad black bars.

D. Ruff *uniform, purplish black*; breast-feathers also black.

The tufts on the hinder crown vary, and generally assimilate in colour to the crown, which may be black, white, rufous, or sandy buff, the latter with an admixture of blue-black.

E. Ruff *uniform, orange-buff*, or *chestnut*. In the former the occipital tufts and crown are blue-black or purplish black, like the back itself.

In the more chestnut specimens, the occipital tufts and crown are greenish black, and the back purplish black. On some of the feathers of the throat are occasionally powderings or spots of black.

All the following types have the ruff or neck-shield barred:—

F. Ruff glossy greenish black, with narrow rufous lines; occipital tufts greenish black like the crown; back purplish black.

G. Ruff rufous, scantily barred with blue-black; crown of head and occipital tufts rufous; back rufous, barred with purplish black.

H. Similar to the foregoing, but with the crown and occipital tufts barred with purplish black; breast-feathers rufous, with purplish-black bars.

I. Similar to the foregoing, but with greenish-black crown and occipital tufts; breast-feathers purplish black.

K. Ruff barred with sandy buff and purplish black in about equal proportions, the bars being of about the same width. The head and occipital tufts of the same pattern as the ruff, or purplish black. In the latter case the breast-feathers are black, but in the former type they are rufous, with bars or spots of purplish black.

L. Ruff buffy white, regularly barred with purplish black, the breast-feathers being similarly marked; occipital tufts buffy white, with black bars; the head streaked with black.

M. Ruff buffy white, sub-terminally spotted or barred with purplish black, before which is a tawny bar; the head and occipital tufts of the same character; breast-feathers tawny buff, with black semicircular bars near the ends.

The head and occipital tufts in this light-coloured type are sometimes vermiculated like the back, or are pale cinnamon like the rest of the upper parts.

N. Ruff *white*, with narrow bars of black, somewhat vermiculated and broken up into spots; head and occipital tufts purplish black; breast-feathers black.

O. Ruff black, with white bars, generally narrower than the black ones; head and occipital tufts of the same colour and markings; breast-feathers black, with white centres.

The head is sometimes brown, vermiculated with sandy buff and strongly washed with purplish black. The coarseness of the bars on the ruff also varies considerably, and where the black predominates, the crown and occipital tufts are also purplish black.

P. Ruff purplish black, *streaked* with white, with which the feathers are edged; the crown and occipital tufts black, with brown vermiculations and a gloss of purplish black.

The first sign of change from the winter to the summer plumages is a decided darkening of the centres to the feathers of the upper surface, and in January the colour of the quills and tail-feathers begins to alter, the inner secondaries becoming rufous with bars or spots of purplish black on the outer web, while the tail-feathers also show a sub-terminal spot of black. As the rufous tint gains ground on the upper surface, the purplish-black feathers on the back begin to put in an appearance. Of these changes by a full moult I am not by any means convinced, for, although a spring moult undoubtedly takes place, I am of opinion that quite as much change is accomplished by an alteration in the pattern of the feather, no two feathers showing exactly the same pattern. The coloured plumage on the ruff is also developed gradually, and the tufts on the sides of the occiput are the last ornament to be assumed.

The colour of the back as it passes into the full plumage varies greatly, according to the nature of the adult colouring. Thus rufous-backed birds have always more rufous on the feathers during the process of spring change, while black-backed birds early show a black coloration during the change.

Two specimens obtained by Mr. Chill in the Delhi district on *June 29th* have almost dropped their summer plumage, and have half-moulted into their winter dress. Specimens from India and Africa tend to prove that, although much of the ornamental plumage is shed towards the end of the breeding-season, the complete change to the winter plumage takes place in the winter haunts of the bird, but the ornamental dress is put on during the return journey in spring, and even after it has arrived in its northern quarters. The Delhi specimens above referred to must have returned to their winter home at a very early date.

Young male. Resembles the winter plumage of the adults, but is much more tawny, the feathers of the upper surface being blackish, with sandy-buff or whitish margins to the feathers; the lower back, rump, and upper tail-coverts dusky brown, mottled with darker brown centres to the feathers, and with sandy-buff edges; the lateral upper tail-coverts white; wing-coverts like the back; the primary-coverts with narrow sandy-buff edges and whitish tips;

bastard-wing, primary-coverts, and quills blackish, fringed with white at the ends and on the outer webs of the secondaries, the inner ones edged with sandy buff with sub-terminal black markings, before which are some rufous bars; tail-feathers dark brown, with a few mottlings and bars of sandy buff near their ends; crown of head sandy rufous, with dark brown streaks; lores and an eye-brow pale buff, with very narrow dusky streaks; the hind-neck ashy, washed with sandy buff, and mottled with dusky-brown centres to the feathers; feathers in front of the eye and sides of face pale cinnamon-buff, like the lower throat and fore-neck, the chin whiter; chest and sides of body ashy grey, washed with cinnamon-buff; the centre of the breast, abdomen, under tail-coverts, axillaries, and under wing-coverts white; quill-lining pale ashy. Wing 7–7·3 inches.

Young female. Similar to the young male, but much smaller, and often more cinnamon-rufous in tint, the head and upper parts being also more rufous. These rich tints, however, soon fade, and then there is no difference between the young male and the young female, except that of size. Wing 5·9–6·2 inches.

The *summer plumage of the adult female* is gained by a moult, which includes the quills and tail-feathers. Some of the inner secondaries appear to me to undergo a change of pattern in the feathers, and some of the body-feathers appear to change also by becoming gradually darker, instead of moulting. This darkening of the feathers on the back results in the whole of the plumage of the upper parts becoming black, often with a strong gloss of purple, the feathers fringed with sandy buff, and the inner secondaries chequered with rufous and black, while the tail-feathers are also barred with rufous towards their ends; the fore-neck and chest, as well as the sides of the body, are mottled with purplish-black centres to the feathers. Total length 8 inches, wing 5·8.

Hab. Central Europe and Asia, not extending very far north, but wintering in Africa, India, and extending rarely to Japan and Borneo. Accidental in Eastern North America as far as Barbados and Dutch Guiana.

a, b. ♂ ad. sk.	Great Britain.	Gen. Hardwicke [P.].
c. ♂ ad. æstiv. sk.	Great Britain.	Old Coll.
d. ♀ juv. sk.	Aberdeen, N.B. (*R. G. W. R.*).	Tweeddale Coll.
e. ♂ juv. st.	Sutherland, Sept. 8.	C.E.Flower,Esq.[P.]
f, g. ♂ ♀ ad. hiem. sk.	Lincolnshire.	Montagu Coll.
h–n. ♂ æstiv.; *o.* ♀ æstiv. sk.	Lincolnshire.	Old Coll.
p. ♂ ad. hiem. sk.	Lincolnshire.	Old Coll.
q–t. ♂ ad. sk.	Cambridgeshire.	Purchased.
u, v. ♂ ad. sk.	Wicken Fen, Cambridgeshire (*O. S. & F. D. G.*).	Salvin-Godman Coll.
w, x. ♂ ♀ ad. hiem. sk.	Aldeburgh, Suffolk, Aug. 30.	Colonel Irby [P.].

y. Juv. st.	Aldeburgh.	Dr. T. Fisher [P.].
z. ♀ ad. st.	Yarmouth, Oct. 22 (*J. E. H.*).	Harting Coll.
a'. ♀ juv. st.	Cookham, Berks.	Mr. W. Briggs [P.].
b'. ♀ ad. sk.	Pagham, Sussex, Aug. (*J. E. Harting*).	Seebohm Coll.
c', *d'*. Pull. st.	Europe.	Old Coll.
e', *f'*. ♂ ad. sk.	Holland.	Hume Coll.
g', *h'*. ♂ ad. sk.	Holland.	Mrs. G. Cavendish Taylor [P.].
i' p'. ♂ ad.; *q'*. ♀ ad. sk.	Holland.	Salvin-Godman Coll.
r'. ♀ ad. hiem. sk.	Holland.	Dr. Günther [P.].
s'. ♂ ad. sk.	Holland, April.	W. E. De Winton, Esq. [P.].
t'-w'. ♂ ad. sk.	Baltic Provinces.	Old Coll.
x', *y'*. ♂ ad. sk.	Archangel (*Craemers*).	Hume Coll.
z'-e''. ♂ ad. sk.	Archangel.	Dr. R. B. Sharpe [P.].
f'' h''. ♀ ad. et juv. sk.	Petchora River, June, July.	Seebohm Coll.
i''. ♀ ad. sk.	South Russia.	Moscow Museum [P.].
k'', *l''*. ♂ ad. hiem. sk.	Athens.	Consul Merlin [P.].
m'', *n''*. ♂ ad. sk.	Southern Spain, March.	Lord Lilford [P.].
o''. ♀ ad. sk.	Valencia, April 20 (*H. Saunders*).	Tweeddale Coll.
p''. ♀ ad. sk.	Funchal, Madeira, April.	W. R. Ogilvie Grant, Esq. [P.].
q''. ♀ ad. sk.	Egypt.	Sir J. Bowring [P.].
r''. Ad. sk.	Egypt.	J. Burton, Esq.
s'', *t''*. ♂ ♀ ad. sk.	Egypt, March (*G. E. S.*).	Shelley Coll.
u'', *v''*. ♂ ♀ ad. sk.	Palombi River, Shirwa Plain, Nyasaland, Aug. 13 (*A. Whyte*).	H. H. Johnston, Esq., C.B. [P.].
w''. ♂ ad.; *x''*, *y''*. ♀ ad. sk.	Lake Shirwa, Dec. (*A. Whyte*).	H. H. Johnston, Esq., C.B. [P.].
z''. ♀ ad. sk.	Ramaqueban River, Matabeleland, Nov. 4 (*F. Oates*).	W. E. & C. G. Oates, Esqrs. [P.].
*a*³. ♀ ad. sk.	Transvaal.	A. Foreman, Esq. [P.].
*b*³. ♀ ad. sk.	Transvaal.	Dr. R. B. Sharpe [P.].
*c*³. ♀ ad. sk.	Potchefstroom.	F. A. Barratt, Esq. [P.].
*d*³. ♀ ad. sk.	Potchefstoom, Sept. (*T. Ayres*).	Gurney Coll.
*e*³, *f*³. ♂ ♀ ad. sk.	Natal (*T. Ayres*).	Tweeddale Coll.
*g*³. ♀ ad. sk.	Newcastle, Natal (*Sarile Reid*).	Shelley Coll.
*h*³. ♀ juv. sk.	Durban (*Gueldye*).	Seebohm Coll.
*i*³, *k*³. ♂ ♀ ad. sk.	Kingwilliamstown.	Major Trevelyan [P.].
*l*³. ♀ ad. sk.	Colesburg, S. Africa (*E. L. Layard*).	Salvin-Godman Coll.
*m*³. ♀ ad. sk.	Walvisch Bay, Damara-land, Oct. (*C. J. Andersson*).	Seebohm Coll.
*n*³. ♂ ad. sk.	Erzeroum (*Keith Abbott*).	Gould Coll.

o^3. ♂ ad. sk.	Samarkand.	Seebohm Coll.
p^3. ♀ ad. sk.	Saiar Mountains.	St. George Littledale, Esq. [P.].
q^3–t^3. ♂ ad.; u^3. ♀ ad. sk.	Omsk, May.	St. George Littledale, Esq. [P.].
v^3–z^3. ♂ ad. sk.	Tobolsk, May.	St. George Littledale, Esq. [P.].
a^4. ♀ ad. sk.	Valley of the Yen-e-sai (71½°N.), May.	Seebohm Coll.
b^4, c^4. ♂ ♀ juv. sk.	Yarkand, Aug., Sept. (*G. Henderson*).	Hume Coll.
d^4. ♀ juv. sk.	Afghanistan (*Griffith*).	India Museum.
e^4–h^4. ♂ ♀ ad. sk.	Candahar, Jan. to March.	Colonel Swinhoe [P.].
i^4. ♀ juv. sk.	Ghisni, Sindh (*Dr. Gould*).	India Museum.
k^4. ♀ juv. sk.	Karachi, Sept. 9 (*E. A. Butler*).	Hume Coll.
l^4. ♀ ad. sk.	Langraij, Guzerat, Dec. 22 (*E. A. Butler*).	Hume Coll.
m^4–o^4. ♂ ♀ juv. sk.	Deesa, Sept. (*E. A. Butler*).	Hume Coll.
p^4. ♂ ad. sk.	Lower Huzara, March 15 (*W. H. Unwin*).	Hume Coll.
q^4. ♂ juv. sk.	Cashmere, Sept.	Hume Coll.
r^4–x^4. ♀ ad. et juv. sk.	Gilgit, Aug., Sept.	Colonel Biddulph [C.].
y^4–h^5. ♂ ad.; i^5–p^5. ♀ ad. sk.	Sambhur, March, Aug., Sept. (*R. M. Adam*).	Hume Coll.
q^5–u^5. ♂ ♀ ad. sk.	Delhi, Dec. (*A. O. H.*).	Hume Coll.
v^5. ♂ ad. sk.	Gurgaon district, March 20 (*A. O. H.*).	Hume Coll.
w^5–a^6. ♂ ad.; b^6, c^6. ♀ ad. sk.	Gurgaon district, Jan., July (*W. N. Chill*).	Hume Coll.
d^6–f^6. ♂ ad.; m^6–r^6. ♀ ad. sk.	Etawah, June to Nov.	Hume Coll.
s^6, t^6. ♂ ad.; u^6. ♀ ad. sk.	Oudh, Dec., Jan.	Hume Coll.
v^6, w^6. ♂ ad.; x^6–a^7. ♀ ad. sk.	Oudh.	Pinwill Coll.
b^7, c^7. ♂ ad. sk.	Lucknow, Jan., March.	Hume Coll.
d^7, e^7. ♂ ad.; f^7. ♀ ad. sk.	Futtehgurh, Sept., Oct. (*A. Anderson*).	Hume Coll.
g^7. ♂ ad. sk.	Mogul Serai, Nov. 2 (*W. E. Brooks*).	Hume Coll.
h^7–l^7. ♂ ad. et juv.; m^7–r^7. ♀ ad. et juv. sk.	Nepal.	Hodgson Coll. (Types of *M. optatus*.)
s^7. ♀ ad. sk.	Purneah.	Hume Coll.
t^7, u^7. ♂ ♀ ad. sk.	Calcutta, Dec., Feb.	Hume Coll.
v^7. ♂ ad.; w^7, x^7. ♀ ad. sk.	Calcutta.	Godwin-Austen Coll.
y^7, z^7. ♂ ad.; a^8. ♀ ad. sk.	Dacca.	Hume Coll.

b. ♀ ad. sk.	Madras, Dec. 2 (*R. G. W. R.*).	Tweeddale Coll.
c. ♂ ad. sk.	Assam (*Griffith*).	India Museum.
d, *e*. ♂ ad. sk.	Lower Pegu, Oct. 8 (*E. W. O.*).	Oates Coll.
f. ♂ ad. sk.	Sittang River, Tenasserim, Feb. 4 (*W. Davison*).	Hume Coll.
g. ♂ ad. (head).	Graeme Hall Swamp, Barbados.	Colonel Feilden [P.].
h. ♀ ad. st.	Barbados.	Sir R. Schomburgk.
i. Skeleton [♂].	England.	Purchased.
k–*m*. Skeletons [♂].	Holland.	Dr. Günther [P.].
n, *o*. Sterna.		J. Ingall, Esq. [P.].
p. Sternum.		J. Ray, Esq. [P.].
q. Sternum.	Nepal.	Hodgson Coll.

56. BARTRAMIA.

	Type.
Bartramia, *Less. Traité d'Orn.* p. 553 (1831)	B. longicauda.
Actidurus, *Bp. Saggio Metod. An. Vert.* p. 143 (1831) ..	B. longicauda.
Euliga, *Nuttall, Man. Orn.* ii. p. 167 (1834)	B. longicauda.
Actiturus, *Bp. Comp. List B. Eur. & N. Amer.* p. 52 (1838).....	B. longicauda.

Range. North America, ranging into South America in winter; accidental in Europe, and has also been said to have occurred once in Australia.

1. Bartramia longicauda.

Tringa longicauda, *Bechst. Kurze Uebers. Latham*, p. 453, pl. 184 (1811).

Tringa bartramia, *Wilson, Amer. Orn.* vii. p. 63, pl. 59. fig. 2 (1813); *Audub. B. Amer.* v. p. 248, pl. 327 (1842); *Putnam, Proc. Ess. Inst.* i. p. 216 (1856: Essex Co., Mass.); *Trippe, op. cit.* vi. p. 119 (1871: Minnesota).

Totanus variegatus, *Vieill. N. Dict. d'Hist. Nat.* vi. p. 397 (1816: S. America and Antilles); *id. Gal. Ois.* ii. p. 107, pl. 239 (1834).

Totanus melanopygius, *Vieill. N. Dict. d'Hist. Nat.* vi. p. 401 (1816: Louisiana).

Totanus bartramius, *Temm. Man. d'Orn.* ii. p. 650 (1820); *Bp. Obs. Wils. Amer. Orn.* no. 209 (1828); *Werner, Atlas, Grall.* pl. 20 (1827); *Swains. Faun. Bor.-Amer., Birds*, p. 391 (1831: Saskatchewan); *Gould, B. Eur.* iv. pl. 313 (1837); *Audub. Orn. Biogr.* iv. p. 24, pl. ccccii. (1838); *Gurney, Zool.* 1852, p. 3388; *Moore, Zool.* 1854, p. 4254 (Doncaster); *Burm. Reise La Plata-St.* ii. p. 503 (1861); *Bullmore, Zool.* 1866, p. 37 (Falmouth); *M. A. Mathew, Zool.* 1877, p. 389 (River Parret, Somersetshire).

Bartramia laticauda, *Less. Traité d'Orn.* p. 553 (1831).

Actidurus bartramius, *Bp. Saggio Metod. Anim. Vertebr.* p. 143 (1831).

Bartram's Tatler, *Nuttall, Man. Orn.* ii. p. 168 (1834).

Actitis bartrami, *Naum. Vog. Deutschl.* viii. p. 43, pl. 196 (1836); *Schl. Rev. Crit.* p. xcv (1844).

Actiturus bartramius, *Bp. Comp. List B. Eur. & N. Amer.* p. 51 (1838); *Gray, List Grall. Brit. Mus.* p. 102 (1844); *Reichenb.*

Grall. tab. lxxiv. fig. 590 (1850); *Bp. C. R.* xliii. p. 597 (1856); *Cass. in Baird's B. N. Amer.* p. 737 (1858); *Henry, Proc. Acad. Nat. Sci. Philad.* 1859, p. 108 (New Mexico); *Scl. & Salv. Ibis*, 1859, p. 230 (Dueñas); *Scl. P. Z. S.* 1860, p. 253 (Orizaba); *Lawr. Ann. Lyc. N. Y.* vii. p. 334 (1861: Panama); *Boardm. Proc. Bost. Soc. Nat. Hist.* ix. p. 129 (1862: Maine, summer); *Verrill, Proc. Ess. Inst.* iii. p. 152 (1862: Oxford Co., Maine); *Blakist. Ibis*, 1862, p. 9 (Saskatchewan, breeding), 1863, p. 134; *March, Proc. Acad. Nat. Sci. Philad.* 1864, p. 67 (Jamaica); *Gould, Handb. B. Austr.* ii. p. 242 (1865: near Sydney); *Coues, Ibis*, 1865, p. 158 (Fort Riley, Kansas); *Dresser, t. c.* p. 314 (Texas, Sept.), 1866, p. 38 (San Antonio); *Scl. & Salv. P. Z. S.* 1866, p. 567 (R. Ucayali); *McIlwr. Proc. Ess. Inst.* v. p. 93 (1866: Hamilton, Canada West); *Lawr. Ann. Lyc. N. Y.* viii. p. 294 (1866: New York); *Scl. & Salv. P. Z. S.* 1867, p. 979 (Pebas, Peru); *Baird, Ibis*, 1867, p. 285; *Scl. & Salv. P. Z. S.* 1868, p. 169 (Caracas, Venezuela); *Lawr. Ann. Lyc. N. Y.* ix. p. 142 (1868: Costa Rica); *Coues, Proc. Ess. Inst.* v. p. 295 (1868: New England); *id. Proc. Bost. Soc. Nat. Hist.* xii. p. 123 (1868: S. Carolina); *Allen, Mem. Bost. Soc. Nat. Hist.* i. p. 501 (1868: Iowa); *Scl. & Salv. P. Z. S.* 1869, p. 598 (Cosnipata, Peru); *Dall & Bann. Trans. Chic. Acad.* i. p. 293 (1869); *Wright, Ibis*, 1869, p. 247 (Malta); *Harting, Handb. Brit. B.* p. 137 (1872); *Gould, B. Gt. Brit.* iv. pl. 63 (1872); *Allen, Bull. Mus. C. Z.* iii. p. 182 (1872: Kansas; Colorado); *Trippe, Proc. Bost. Soc. Nat. Hist.* xv. p. 241 (1872: Iowa, breeding); *Coues, Key N. Amer. B.* p. 261 (1872); *Snow, B. Kansas*, p. 10 (1873); *Scl. & Salv. Nomencl. Av. Neotrop.* p. 146 (1873); *id. P. Z. S.* 1873, p. 309 (Nauta; Chamicuros; Pebas); *Ridgw. Ann. Lyc. N. Y.* x. p. 384 (1874: Illinois); *Coues, B. N.-West*, p. 502 (1874); *Allen, Proc. Bost. Soc. Nat. Hist.* xvii. p. 67 (1874: Yellowstone); *Tacz. P. Z. S.* 1874, p. 560 (Central Peru); *Hensh. Rep. Zool. Expl.* 100*th Merid.* p. 461 (1875: Sulphur Spring, Arizona); *Lilford, Ibis*, 1875, p. 22; *Reid, Zool.* 1877, p. 478 (Bermudas, Sept.); *Durnf. Ibis*, 1877, p. 199 (Buenos Ayres, Dec. to April); *Sennett, Bull. U.S. Geol. Surv.* iv. p. 55 (1878: Texas, April); *Coues, t. c.* p. 644 (Dakota, June, July); *Merrill, Proc. U.S. Nat. Mus.* i. p. 161 (1878: Fort Brown, Texas, March and July on migration); *Mayn. B. East. N. Amer.* p. 388 (1879); *Harting, P. Z. S.* 1880, p. 543 (Lincolnshire); *id. Zool.* 1880, p. 508; *Gigl. Ibis*, 1881, p. 184 (Italy, Oct.); *Barrows, Auk*, i. p. 315 (1884: Lower Uruguay); *Tacz. Orn. Pérou*, iii. p. 371 (1886: Chorillos); *Withington, Ibis*, 1888, p. 472 (Lomas de Zamora); *Scl. & Huds. Argent. Orn.* ii. p. 189 (1889); *Scl. Ibis*, 1890, p. 425 (Argent. Rep.); *Holland, Ibis*, 1892, p. 212 (Estancia Espartilla); *Aplin, Ibis*, 1894, p. 209 (Uruguay).

Totanus longicauda, *D'Orbig. in Ramon de la Sagra, Hist. Nat. Cuba, Aves*, p. 237 (1839).

Tringa bartramian, *Giraud, B. Long. Isl.* p. 226 (1844).

Bartram's Sandpiper, *Yarrell, Brit. B., Suppl.* p. 40 (1845); *Cornish, Zool.* 1883, p. 495 (Cornwall, Oct.).

Tringoides bartramius, *Gray, Gen. B.* iii. p. 574 (1846); *Brewer, Proc. Bost. Soc. Nat. Hist.* vii. p. 308 (1860: Cuba); *Gray, Cat. Brit. B.* p. 162 (1863: Cambridge and Newmarket); *Léot. Ois. Trinid.* p. 463 (1866); *Gray, Hand-l. B.* iii. p. 46, no. 10281 (1871); *Pelz. Orn. Bras.* p. 310 (1871).

Actiturus bartrami, *Licht. Nomencl. Av. Mus. Berol.* p. 92 (1854).
Euligia bartramia, *Cab. J. f. O.* 1856, p. 418 (Cuba); *Gundl. J. f. O.* 1862, p. 86.
Bartramius longicaudus, *Bp. Rev. et Mag. de Zool.* 1857, p. 50.
Actiturus longicaudus, *Newt. List B. Eur. Blasius*, p. 18 (1862); *Dresser, B. Eur.* viii. p. 119, pl. 562 (1877); *Gigl. Ibis*, 1881, p. 184 (Malta); *A. & E. Newton, Handb. Jamaica*, p. 115 (1881); *Salvin, Cat. Strickl. Coll.* p. 612 (1882); *B. O. U. List Brit. B.* p. 173 (1883); *Ramsay, Tab. List Austr. B.* p. 20 (1888: Wide Bay distr.; N.S.W.; Interior); *Salvin, Ibis*, 1889, p. 379 (Ruatan Isl.).
Actitis bartramius, *Schl. Mus. Pays-Bas*, Scolopaces, p. 78 (1864).
Bartramia longicauda, *Degl. & Gerbe, Orn. Eur.* ii. p. 231 (1867); *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 201 (1880); *Saunders, ed. Yarrell's Brit. B.* iii. p. 440 (1884); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 206 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 641 (1884); *Drew, Auk*, ii. p. 18 (1885: Colorado); *Agersb. t. c.* p. 286 (S.E. Dakota); *Merriam, t. c.* p. 315 (Prov. Quebec, Canada); *Seton, Auk*, iii. p. 152 (1886: Western Manitoba); *A.O.U. Check-list N. Amer. B.* p. 156 (1886); *Nelson, Rep. Nat. Hist. Coll. Alaska*, p. 119 (1887: Fort Yukon); *Ridgw. Man. N. Amer. B.* p. 169 (1887); *Towns. Auk*, iv. p. 12 (1887: Northern Alaska); *Lloyd, t. c.* p. 186 (Western Texas); *Cory, t. c.* p. 319 (West Indies); *Wells, Proc. U.S. Nat. Mus.* ix. p. 628 (1887: Grenada); *Beckham, t. c.* pp. 637, 653 (1888: Bexar Co., Texas); *Merrill, Auk*, v. p. 145 (1888: Fort Klamath, Oregon); *Chapm. t. c.* p. 270 (Gainesville, Florida); *Brewster, t. c.* p. 389 (Winchendon, Mass.); *Saunders, Man. Brit. B.* p. 589 (1889); *Scott, Auk*, vi. p. 158 (1889: Key West, Florida); *Hasbrouck, t. c.* p. 237 (Eastland Co., Texas); *Cory, B. West Indies*, p. 240 (1889); *Cherrie, Auk*, vii. p. 332 (1890: Costa Rica); *Thomps. Proc. U.S. Nat. Mus.* xiii. p. 503 (1890: Manitoba); *Berl. & Stolzm. P. Z. S.* 1892, p. 395 (Peru); *Scott, Auk*, ix. p. 14 (1892: Jamaica); *Cory, t. c.* p. 48 (Maraguana); *Scott, t. c.* p. 212 (Caloosahatchie Region); *Attwater, t. c* p. 232 (San Antonio, Texas); *Mackay, t. c.* p. 305 (Mackinac Isl.); *Cherrie, t. c.* p. 329 (San José, Costa Rica); *Richmond, Proc. U.S. Nat. Mus.* xvi. p. 526 (1893: Escondido R., Costa Rica); *Hasbrouck, Auk*, x. p. 92 (1894: Maryland); *Brimley, t. c.* p. 243 (N. Carolina).
Actiturus longicaudatus, *Gundl. J. f. O.* 1881, p. 401 (Porto Rico).
Totanus bartrami, *Seebohm, Hist. Brit. B.* iii. p. 110, pl. 32 (1885); *id. Geogr. Distr. Charadr.* p. 376 (1888).

Adult male. General colour above mottled, the feathers being black with sandy-buff or whitish edges, the scapulars barred with black; lower back and rump uniform black; central upper tail-coverts also blackish, the lateral ones sandy buff with more or less complete black bars, irregular on the inner web; lesser wing-coverts blackish brown, with sandy margins; median and greater coverts sandy buff in appearance, the feathers ashy brown notched with sandy buff and barred with black; bastard-wing, primary-coverts, and primaries uniform blackish brown; the secondaries dark brown, notched with white, minutely on the outer web and more deeply on the inner one; the long inner secondaries like the

scapulars, barred with black, and notched and tipped with white; centre tail-feathers ashy brown, barred with black, the sub-terminal bar broader than the others; remainder of the feathers tawny buff, broadly tipped with whitish, before which is a broad sub-terminal bar of black, the feathers having also some narrower bands of black, not regular or co-terminous; crown of head blackish, with a mesial streak of sandy buff, all the feathers also edged with sandy buff; hind-neck sandy buff, narrowly streaked with black; lores isabelline white; a broad eyebrow of sandy buff, streaked with black; sides of face and ear-coverts sandy buff, with narrow streaks and spots of black; cheeks and throat pure white; lower throat, fore-neck, and chest tawny buff, the feathers centred with triangular spots of black, taking the shape of irregular bars on the latter; breast and abdomen creamy white; the sides of the body and flanks barred with blackish brown; thighs and under tail-coverts uniform isabelline buff; under wing-coverts and axillaries white, regularly barred across with black; quills below ashy, with numerous bars and notches of white along the inner web: "bill yellowish-green, the tip dusky, the edges towards the base yellow; legs and tarsi light yellowish grey, toes rather darker, claws brownish black; iris dark hazel" (*J. J. Audubon*). Total length 11 inches, culmen 1·15, wing 6·5, tail 3·3, tarsus 1·75.

There appears to be no appreciable difference between the winter and summer plumages of this Sandpiper. In the breeding time the feathers become abraded and the light edgings disappear, leaving the general appearance of the bird blacker than in winter, when the sandy-buff margins are very conspicuous. By the wearing of the margins of the breast-feathers, the bars become much more visible and are of an irregular sagittate shape. In summer plumage, the wings show more of a bronzy gloss than in winter.

Young. Similar to the adults, but the buff on the head, jugulum, wings, &c. much deeper; the streaks on the fore-neck and jugulum much less distinct, and the back plain black, the feathers bordered with buff (*B., B., & R.*).

Downy young. Above coarsely and irregularly mottled with black on a greyish-white ground, tinged with light rusty; lower parts buffy white, with about three blackish spots on the flanks—one beneath the eye, a smaller one on the lores, about halfway between the bill and the eye, and a large, nearly vertical one behind the ears.

Hab. **North America, to South America in winter to Uruguay.**

a, b. ♂ ♀ ad. sk.	N. America (*C. J. Maynard*: *Hensh. Coll.*).	Salvin-Godman Coll.
c, d. ♂ ad. et pull. sk.	Locust Grove, New York, July (*C. H. Merriam*: *Hensh. Coll.*).	Salvin-Godman Coll.
e. ♀ ad. sk.	Waukegan, Ill., May (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
f. ♀ ad. sk.	Riverdale, Ill., July 8 (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.

g. Ad. sk.	Kansas, Sept.	Dr. R. B. Sharpe, [P.].
h. ♀ ad. sk.	Big Blue River, Utah, June 9 (*C. S. Macarthy*).	Salvin-Godman Coll.
i, *k*. ♂ ♀ ad. sk.	British Columbia.	J. K. Lord, Esq. [P.].
l, *m*. Ad. sk.	49th Parallel, June (*G. Dawson*).	N. A. Bound. Comm. [P.].
n, *o*. ♂ ad. sk.	Pembina, Dakota, June (*E. Coues*: *Hensh. Coll.*).	Salvin-Godman Coll.
p, *q*. ♂ ad. sk.	Tarpon Springs, Florida, April, May (*W. E. D. Scott*).	Salvin-Godman Coll.
r, *s*. Ad. sk.	San Antonio, Texas (*H. E. Dresser*).	Salvin-Godman Coll.
t. ♂ ad. sk.	Rio Medina, Texas, April 10 (*Dr. Heerman*).	Salvin-Godman Coll.
u, *v*, *w*. ♂ ad. sk.	Brownsville, Texas, March (*F. B. Armstrong*).	Salvin-Godman Coll.
x, *y*. ♂ ad.; *z*. ♀ ad. sk.	Puebla, Mexico, March to May (*Ferrari-Perez*).	Salvin-Godman Coll.
a'. ♂ ad. sk.	Pinal, Puebla, April (*F. D. G.*).	Salvin-Godman Coll.
b'-d'. ♂ ad.; *e'*. ♀ ad. sk.	Zacatecas, Aug., Sept. (*W. B. Richardson*).	Salvin-Godman Coll.
f'. ♂ ad. sk.	Chapala, Jalisco, Aug. 27 (*W. B. R.*).	Salvin-Godman Coll.
g', *h'*. ♂ ♀ ad. sk.	Las Vigas, Jalapa, Sept. (*Ferrari-Perez*).	Salvin-Godman Coll.
i'-p'. Ad. sk.	Island of Ruatan (*G. F. Gaumer*).	Salvin-Godman Coll.
q'. Ad. sk.	Guatemala.	Gould Coll.
r'. ♀ ad. sk.	Sakluk, Guatemala, April (*O. S.*).	Salvin-Godman Coll.
s'. ♂ ad. sk.	Dueñas, April 12 (*O. S.*).	Salvin-Godman Coll.
t', *u'*. ♂ ad. sk.	Isthmus of Panama (*J. McLeannan*).	Salvin-Godman Coll.
v'. ♀ ad. sk.	Medellin, U.S. Colombia (*T. K. Salmon*).	Salvin-Godman Coll.
w', *x'*. Ad. sk.	Bogota.	Salvin-Godman Coll.
y'. ♂ ad. sk.	Venezuela, Oct. (*A. Goering*).	Tweeddale Coll.
z'. Ad. sk.	River Amazon (*Hensh. Coll.*).	Salvin-Godman Coll.
a'', *b''*. ♂ ad. sk.	Pebas, E. Peru, March, April (*J. Hauxwell*).	Salvin-Godman Coll.
c'', *d''*. ♂ ♀ ad. sk.	Chapada, Mattagrosso, Brazil, Sept., Oct. (*Mrs. D. W. Smith*).	Salvin-Godman Coll.
e''. ♀ ad. sk.	Irisanga, Brazil, Dec. 7 (*J. Natterer*).	Salvin-Godman Coll.
f'', *g''*. Ad. sk.	Uruguay, Jan.	Alan Peel, Esq. [C.].
h''. Ad. sk.	San Martin, Buenos Ayres, Feb. 6.	H. Durnford, Esq. [C.].
i''. ♂ ad. sk.	Lomas de Zomora, Feb. 19 (*Withington*).	Sclater Coll.
k''. Ad. sk.	Chili (*Leybold*).	Salvin-Godman Coll.

57. EREUNETES.

	Type.
Ereunetes, *Illiger, Prodr.* p. 262 (1811)	E. pusillus.
Hemipalama, *Bp. Journ. Philad. Acad.* v. p. 87 (1825)..	E. pusillus.
Heteropoda, *Nuttall, Man. Orn.* ii. p. 135 (1834)	E. pusillus.

Range. N.E. Siberia and Arctic America, from the high north in summer to Brazil and Peru in winter.

1. Ereunetes pusillus.

La Petite Alouette-de-mer de S. Domingue, *Briss. Orn.* v. p. 222, pl. 25. fig. 2 (1760).

Tringa pusillus, *Linn. Syst. Nat.* i. p. 252 (1766); *Gm. Syst. Nat.* i. p. 681 (1788); *Lath. Ind. Orn.* ii. p. 737 (1790); *Vieill. N. Dict. d'Hist. Nat.* xxxiv. p. 452 (1819); *Schl. Mus. Pays-Bas*, Scolopaces, p. 55 (1864: Pennsylvania; Haiti; Caiman; Surinam; Brazil).

Little Sandpiper, *Pennant, Gen. B.* p. 41, pl. xii. (1781); *id. Arctic Zool.* ii. p. 479 (1785); *Lath. Gen. Syn.* iii. pt. 1, p. 184 (1785).

Ereunetes petrificatus, *Illiger, Prodr.* p. 262 (1811); *Cass. in Baird's B. N. Amer.* p. 724 (1858); *Xantus, Proc. Acad. Nat. Sci. Philad.* 1859, p. 192 (Fort Tejon, California); *Scl. & Salv. Ibis*, 1859, p. 229 (Dueñas, April); *A. & E. Newton, t. c.* p. 257 (St. Croix); *Blakist. Ibis*, 1863, p. 132 (Hudson's Bay; Mackenzie River); *March, Proc. Acad. Nat. Sci. Philad.* 1864, p. 68 (Jamaica); *Gray, Hand-l. B.* iii. p. 51, no. 10320 (1871); *Trippe, Proc. Bost. Soc. Nat. Hist.* xv. p. 241 (1872: Southern Iowa); *Snow, B. Kansas*, p. 10 (1873); *Scl. & Salv. Nomencl. Av. Neotr.* p. 145 (1873); *Lawr. Proc. U.S. Nat. Mus.* i. p. 238 (1878: Antigua), p. 242 (Barbuda), pp. 461, 488 (Guadeloupe); *id. op. cit.* iii. p. 256 (1880); *Salvin, P. Z. S.* 1883, p. 429 (Paracas Bay); *Tacz. Orn. Pérou*, iii. p. 362 (1886); *Heine & Reichen. Nomencl. Mus. Hein.* p. 328 (1890: Puerto Cabello).

Tringa semipalmata, *Wils. Amer. Orn.* vii. p. 131, pl. lxiii. fig. 4 (1813); *Vieill. N. Dict. d'Hist. Nat.* xxxiv. p. 462 (1819); *Swains. Faun. Bor.-Amer., Birds*, p. 381 (1831: Severn River); *Audub. Orn. Biogr.* v. p. 110, pl. 405 (1839); *id. B. Amer.* 8vo, v. p. 277, pl. 326 (1842); *Giraud, B. Long. Isl.* p. 239 (1844); *Putnam, Proc. Essex Inst.* i. p. 217 (1856: Essex Co., Massachusetts); *Bryant, Proc. Bost. Soc. Nat. Hist.* vii. p. 121 (1859: Bahamas); *Finsch, Abh. nat. Ver. Bremen*, iii. p. 65 (1872).

Tringa brevirostris, *Spix, Av. Bras.* ii. p. 76, pl. 93 (1825).

Hemipalama semipalmata, *Bonap. Journ. Acad. Nat. Sci. Philad.* v. p. 88 (1825); *id. Obs. Wilson Amer. Orn.* no. 212 (1826); ***Less. Traité d'Orn.* p. 560 (1831); *Lembeye, Av. Cuba*, p. 96** (1850); *Brewer, Proc. Bost. Soc. Nat. Hist.* vii. p. 308 (1860: Cuba).

Pelidna brissoni, *Less. Man. d'Orn.* ii. p. 277 (1828).

Semipalmated Sandpiper, *Nuttall, Man. Orn.* ii. p. 136 (1834).

Heteropoda semipalmata, *Bp. Comp. List B. Eur. & N. Amer.* p. 49 (1838); *DeKay, Nat. Hist. N. Y., Zool.* i. p. 236, pl. 86. fig. 195 (1844); *Gray, Gen. B.* iii. p. 580, pl. 156. fig. 1 (1845); *Reichenb. Grall.* tab. lxxiv. figs. 594–95 (1850); *Léot. Ois. Trinid.* p. 477 (1866).

Heteropoda mauri, *Bp. Comp. List B. Eur. & N. Amer.* p. 49 (1838).

Pelidna pusilla, *Gosse, B. Jamaica*, p. 348 (1847).

Ereunetes semipalmata, *Cab. in Schomb. Reis. Guian.* iii. p. 758 (1848); *Licht. Nomencl. Av. Mus. Berol.* p. 92 (1854); *Burm. Th. Bras.* iii. p. 375, note (1856); *Cab. J. f. O.* 1856, p. 419 (Cuba); *Bp. C. R.* xliii. p. 596 (1856); *Pelz. Orn. Bras.* pp. 312, 458 (1871: Cajutuba).

Hemipalama minor, *Lembeye, Av. Cuba*, p. 97 (1850); *Brewer, Proc. Bost. Soc. Nat. Hist.* vii. p. 308 (1860: Cuba).

? Ereunetes cabanisi, *Licht. Nomencl. Mus. Berol.* p. 92 (1854).

Ereunetes maurii, *Bp. C. R.* xliii. p. 596 (1856); *Gray, Hand-l. B.* iii. p. 51, no. 10321 (1871); *Heine & Reichen. Nomencl. Mus. Hein.* p. 328 (1890: Guiana).

Ereunetes pusillus, *Cass. Proc. Acad. Nat. Sci. Philad.* 1860, p. 196 (Carthagena); *Coues, op. cit.* 1861, pp. 177, 233 (Labrador); *Boardm. Proc. Bost. Soc. Nat. Hist.* ix. p. 129 (1862: Maine); *Verrill, Proc. Ess. Inst.* iii. p. 158 (1862: Oxford Co., Maine); *Lawr. Ann. Lyc. N. Y.* viii. p. 100 (1864: Sombrero); *Allen, Proc. Ess. Inst.* iv. p. 87 (1864: Springfield, Mass.); *Coues, Proc. Acad. Nat. Sci. Philad.* 1866, p. 97 (Arizona); *Lawr. Ann. Lyc. N. Y.* viii. p. 294 (1866: Long. Isl.); *McIlwr. Proc. Ess. Inst.* v. p. 93 (1866: Hamilton, Canada West); *Coues, t. c.* p. 294 (New England); *Allen, Mem. Bost. Soc. Nat. Hist.* i. p. 501 (1868: Western Iowa); *Sunder. Efv. Vet.-Akad. Förh. Stockh.* 1869, p. 587 (St. Bartholomew), p. 602 (Porto Rico); *Dall & Bann. Trans. Chic. Acad.* i. p. 292 (1869: Sitka; Kadiak; Nulato, breeding); *Coues, Proc. Acad. Nat. Sci. Philad.* 1871, p. 31 (Fort Macon, N. Carolina); *Allen, Bull. Mus. C. Z.* ii. p. 355 (1871: Florida); *id. op. cit.* iii. p. 182 (1872: Eastern Kansas); *Coues, Key N. Amer. B.* p. 254 (1872); *Ridgw. Ann. Lyc. N. Y.* x. p. 384 (1874: Illinois); *Coues, B. N.-West*, p. 481 (1874); *Hensh. Rep. Zool. Explor. 100th Merid.* p. 454 (1875); *Gundl. J. f. O.* 1875, p. 327 (Cuba); *id. Orn. Cubana*, p. 175 (1876); *Reid, Zool.* 1877, p. 476 (Bermudas, Aug.); *Coues, Bull. U.S. Geol. Surv.* iv. p. 630 (1878: Dakota); *Merrill, Proc. U.S. Nat. Mus.* i. p. 161 (1878: Fort Brown, Texas); *Belding, t. c.* p. 395 (Central California); *A. & E. Newt. Handb. Jamaica*, p. 116 (1881); *Coues, Check-list N. Amer. B.* p. 100 (1882); *Salvin, Cat. Strickl. Coll.* p. 611 (1882); *Nelson, Cruise R. S. 'Corwin,'* p. 88 (1883: Entire Alaskan Coast and N.E. Asia); *Stearns, Proc. U.S. Nat. Mus.* vi. p. 119 (1883: Labrador); *Baird, Brewer, & Ridgw. Water-B. N. Amer.* i. p. 295 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 624 (1884); *Ridgw. Proc. U.S. Nat. Mus.* viii. p. 177 (1884: Sabanilla, New Granada); *Drew, Auk*, ii. p. 16 (1885: Colorado); *Murdoch, t. c.* pp. 63, 201 (Point Barrow); *Beckham, t. c.* p. 143 (Pueblo, Colorado); *Ingersh. t. c.* p. 286 (S.E. Dakota); *Turner, Proc. U.S. Nat. Mus.* viii. p. 247 (1885: Koksoak R., Labrador); *Murdoch, Rep. Exped. Point Barrow*, p. 113 (1885: not observed breeding); *Seton, Auk*, iii. p. 151 (1886: Red River, Manitoba); *Cory, t. c.* p. 552 (Grand Cayman); *A. O. U. Check-list N. Amer. B.* p. 153 (1886); *Towns. Auk*, iv. p. 10 (1887: N. Alaska); *Dwight, t. c.* p. 16 (Cape Breton Isl.); *Wells, Proc. U.S. Nat. Mus.* ix. p. 628 (1887: Grenada, W.I.); *Ridgw. t. c.* p. 578 (Swan Isl.); *id. Man. N. Amer. B.* p. 161 (1887); *Palmén, Vega-Exped., Foglef.* tab. 3 (1887); *Scott, Auk*, v. p. 185 (1888: Florida); *Eberm. t. c.* p. 349 (Carroll Co., Indiana); *Seebohm, Geogr. Distrib. Charadr.* p. 402 (1888); *Cooke, Bull. U.S. Agric.* no. 2, p. 94 (1888: Mississippi Valley); *Dutcher, Auk*, vi. p. 128 (1889: Little Gull Island); *Scott, t. c.* p. 157 (Gulf Coast of

Florida); *Cory, B. West Indies*, p. 234 (1889); *Clarke, Auk*, vii. p. 32 (1890: Hudson's Bay); *Cory, t. c.* p. 374 (Anegada, W.I.); *Thomps. Proc. U.S. Nat. Mus.* xiii. p. 501 (1890: Moose River, Manitoba); *Warren, B. Pennsylv.* p. 87 (1890); *Cory, Auk*, vii. p. 48 (1891: Guadeloupe), p. 351 (Inagua); *Macf. Proc. U.S. Nat. Mus.* xiv. p. 477 (1891: Franklin Bay, Arctic America); *Scott, Auk*, ix. p. 13 (1892: Jamaica), p. 212 (Caloosahatchie Region, Florida); *Cory, Cat. B. West Indies*, p. 93 (1892: Bahamas; Greater & Lesser Antilles); *Hatch, B. Minnesota*, p. 128 (1892); *Allen, Auk*, x. p. 123 (1893); *White, t. c.* p. 223 (Mackinac Isl.); *Chapm. Bull. Amer. Mus. Nat. Hist.* vi. p. 77 (1894: Moruga, Trinidad).

Heteropoda longirostris, *Léot. Ois. Trinid.* p. 480 (1866).

Ereunetes occidentalis, *Lawr. Proc. Acad. Nat. Sci. Philad.* 1864, p. 107 (Pacific Coast of Oregon & California); *Gray, Hand-l. B.* iii. p. 51, no. 10322 (1871); *Ridgw. Proc. U.S. Nat. Mus.* vii. p. 178 (1884: Sabanilla, New Granada); *Henshaw, Auk*, ii. p. 384 (1885: Boston Harbour); *Beckh. t. c.* p. 110 (Virginia Beach); *Murdoch, Rep. Exped. Point Barrow*, p. 148 (1885: May to Sept., breeding); *Everm. Auk*, iii. p. 91 (1886: Ventura Co., California); *Scott, t. c.* p. 386 (Tucson, Arizona); *A. O. U. Check-list N. Amer. B.* p. 153 (1886); *Ridgw. Man. N. Amer. B.* p. 162 (1887); *Lloyd, Auk*, iv. p. 186 (1887: W. Texas); *Towns. Proc. U.S. Nat. Mus.* x. p. 163 (1887: N. California), p. 198 (Red Bluff); *Nelson, Rep. Nat. Hist. Coll. Alaska*, p. 113 (1887: Bering Sea, breeding); *Scott, Auk*, v. p. 184 (1888: Florida); *Cooke, Bull. U.S. Agric.* no. 2, p. 94 (1888: Mississippi Valley); *Brewster, Auk*, vi. p. 69 (1889: Monomoy Isl., Mass.); *Scott, t. c.* p. 157 (Gulf Coast of Florida); *Miller, Auk*, vii. p. 227 (1890: Cape Cod); *Heine & Reichen. Nomencl. Mus. Hein.* p. 328 (1890: California); *Lawr. Auk*, ix. p. 43 (1892: Gray's Harbour, Washington); *Scott, t. c.* p. 212 (Caloosahatchie Region, Florida); *Treat, t. c.* p. 389 (Connecticut); *Tacz. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 890 (1893: Tschouktschi Peninsula); *Allen, Auk*, x. p. 123 (1893); *Chapm. Bull. Amer. Mus. Nat. Hist.* vi. p. 77 (1894: Trinidad); *Palmer, Auk*, xi. p. 325 (1894: Washington, D.C.).

Ereunetes pusillus, var. occidentalis, *Lawr. Bull. U.S. Nat. Mus.* No. 4, p. 47 (1876: Tehuantepec).

Ereunetes pusillus occidentalis, *Ridgw. Proc. U.S. Nat. Mus.* iii. pp. 202, 222 (1880); *Coues, Check-list N. Amer. B.* p. 100 (1882); *Belding, Proc. U.S. Nat. Mus.* v. p. 529 (1883: San Quentin Bay, Lower California), p. 545 (southern extremity of Lower Calif.); *Coues, Key N. Amer. B.* 2nd ed. p. 625 (1884); *Seebohm, Geogr. Distr. Charadr.* p. 403 (1888).

Adult male in winter plumage. General colour above ashy grey, with whitish fringes and dusky centres to the feathers; rump and central upper tail-coverts darker and more blackish; sides of rump and lateral upper tail-coverts white; wing-coverts dusky brown, darker in the centre and with ashy margins, the greater series broadly tipped with white; bastard-wing, primary-coverts, and quills blackish; the first primary with a conspicuous white shaft, the others with brown shafts, turning whitish before the ends and with some white near the outer base of the inner primaries, the secondaries ashy white on the inner webs, increasing in extent on the inner secondaries, the long innermost ones being brown like the

back; tail-feathers ashy, the centre ones with a blackish mark towards the ends; crown of head ashy, streaked with small dusky spots in the centre of the feathers; lores and a distinct eyebrow white, as well as the eyelid; sides of face and ear-coverts ashy, with narrow dusky lines; cheeks and under surface of body pure white; the sides of the neck, and especially the fore-neck and lower throat, streaked with small dusky spots, in rows; on the centre of the lower throat some faint indications of dusky lines; under wing-coverts white, the lower greater coverts ashy: "bill black, becoming greenish olive on the basal part of the mandible; feet greenish olive; iris dark brown" (*Baird, Brewer, & Ridgway*). Total length 5·6 inches, culmen 0·85, wing 3·7, tail 1·5, tarsus 0·85.

Adult male in summer plumage. Differs from the winter plumage in being much more mottled, the upper surface being deep cinnamon with black markings, taking the form of sub-terminal spots; the head also cinnamon, broadly streaked with black; the hind-neck and upper mantle ashy, tinged with rufous and broadly streaked with black; wings as in the winter plumage, but the quills with more strongly developed white shafts and the secondaries with a good deal of white on the inner webs; lores and eyebrow white, but the ear-coverts tinged with cinnamon; cheeks and under surface of body white, but the black streaks much broader everywhere and distributed over the lower throat, breast, and sides of body, taking the form of arrow-head spots in many places; sides of upper breast tinged with cinnamon.

Adult female in breeding-plumage. Much darker than in winter, with the centres of the feathers black, and with ashy-whitish margins. There is scarcely any of the cinnamon-rufous colour on the back which distinguishes the male, and the spots and markings on the chest and flanks are not so thickly distributed. Total length 5·5 inches, wing 3·8, tail 1·6, tarsus 0·9.

Young. Has a strong tinge of cinnamon-rufous on the upper surface, which consequently much resembles the breeding-plumage of the adult male, but the young birds can always be recognized by the very distinct white edges to the scapulars and inner secondaries; the hind-neck is ashy brown, in contrast to the head and back; the under surface is pure white, with a few dusky streaks on the sides of the chest and upper breast, and with a tinge of ochraceous buff across the fore-neck. This latter character is also a sure sign of immaturity.

From the striking difference in the length of the bill exhibited by a series of this species, it is easy to understand that two races have generally been recognized by ornithologists. I find, however, every possible gradation between the two extremes, and the measurements of the culmen given below show that no line of demarcation can be drawn, and I have consequently united *E. occidentalis* and *E. pusillus*. It will likewise be noticed that the long-billed and short-billed forms occur together, both in their northern breeding-places as well as in their winter homes.

Hab. The same as that of the genus.

a. ♂ juv. sk. [c. 0·65].	Point Barrow, Alaska, July 29 (*J. Murdoch*).	Seebohm Coll.
b, *c*, *d*. ♂ ♀ juv. sk. [c. 0·65–0·7].	Point Barrow, July 29 (*J. Murdoch*: *Henshaw Coll.*).	Salvin-Godman Coll.
e. Ad. sk. [c. 0·7].	Alaska.	Capt. Collinson [P.].
f, *g*. ♂ ♀ ad. sk. [c. 0·9 – 1·0]; *h*, *i*. Juv. sk. [c. 0·8].	St. Michael's, Alaska, June (*E. W. Nelson*: *Henshaw Coll.*).	Salvin-Godman Coll.
k. ♀ ad. sk. [c. 1·05].	St. Michael's (*L. M. Turner*: *Henshaw Coll.*).	Salvin-Godman Coll.
l. ♀ ad. sk. [c. 0·75].	Isl. in Franklin Bay, Arctic America, July (*R. McFarlane*: Sm. no. 43,862).	Salvin-Godman Coll.
m. ♀ ad. sk. [c. 0·8].	Fort George, June 30 (*C. Drexler*: sm. no. 20,723).	Salvin-Godman Coll.
n, *o*. ♂ juv. et ♀ ad. sk. [c. 0·8–0·85].	Fort Simpson.	B. R. Ross, Esq. [P.].
p. Juv. sk. [c. 0·7].	49th Parallel, Aug. 7 (*G. M. Dawson*).	N. A. Bound. Comm.
q, *r*, *s*. Ad. sk. [c. 0·9–1·0].	Vancouver Isl.	Dr. Lyall [P.].
t–*w*. Imm. sk. [c. 0·85–0·95].	British Columbia.	J. K. Lord, Esq. [P.].
x. ♀ ad. sk. [c. 0·8].	Republican Fork, May 25 (*Dr. E. Coues*).	Seebohm Coll.
y, *z*. Juv. sk. [c. 0·85–1·05].	Umatilla Junction, Oregon, Aug. (*H. W. H.*: *Henshaw Coll.*).	Salvin-Godman Coll.
a', *b'*. Juv. sk. [c. 0·85–1·0].	Oakland, California, Aug. (*W. E. Brewster*: *Henshaw Coll.*).	Salvin-Godman Coll.
c'. ♂ ad. sk. [c. 0·9].	San Francisco, California, Oct. 23 (*H. W. H.*: *Henshaw Coll.*).	Salvin-Godman Coll.
d'. ♀ ad. sk. [c. 0·9].	Port Isabel, California, Oct. 12 (*H. W. H.*: *Henshaw Coll.*).	Salvin-Godman Coll.
e'. Ad. sk. [c. 0·9].	San Pedro, California (*E. Coues*).	Seebohm Coll.
f'. ♀ ad. sk. [c. 0·95].	Santa Barbara, California, July 3 (*H. W. H.*: *Henshaw Coll.*).	Salvin-Godman Coll.
g'. ♂ juv. sk. [c. 0·75].	Chicago, Illinois (*H. K. Coale*).	Dr. R. B. Sharpe [P.].
h'. ♂ ad. sk. [c. 0·75].	Waukegan, Illinois, May 23 (*E. W. Nelson*: *Henshaw Coll.*).	Salvin-Godman Coll.
i'. Ad. sk. [c. 0·75].	New York.	Seebohm Coll.
k'. ♀ juv. sk. [c. 0·8].	Long Island, Sept. 24 (*A. K. Fisher*: *Henshaw Coll.*).	Salvin-Godman Coll.
l'. Ad. sk. [c. 0·7].	New Jersey (*A. L. Heerman*).	Hume Coll.
m'. Juv. sk. [c. 0·8].	New Jersey (*A. L. Heerman*).	Seebohm Coll.
n'. Ad. sk. [c. 0·95].	Calais, Maine.	Hume Coll.

e', f', g'. ♂ ♀ juv. ak. [c. 0·75–1·15].	Massachusetts, Aug. (*Henshaw Coll.*).	Salvin-Godman Coll.
r', s'. ♀ ad. ak. [c. 0·8–0·9].	Ipswich, Massachusetts, Aug. (*C. J. Maynard*).	Salvin-Godman Coll.
t'. Juv. ak. [c. 0·7].	Pennsylvania (*Krider*).	Seebohm Coll.
u'–x'. ♂ ad. [c. 0·8–1·1]; y'–b''. ♀ ad. ak. [c. 0·95–1·1].	Tarpon Springs, Florida, Oct. to Jan. (*W. E. D. Scott*).	Salvin-Godman Coll.
c'', d''. ♂ ad. ak. [c. 0·65–0·7].	Florida, Oct., Aug. (*W. Horie*: *Henshaw Coll.*).	Salvin-Godman Coll.
e''. Ad. ak. [c. 0·85].	Bermudas, July.	Capt. Savile Reid [C.].
f''–m''. ♂ ad. [c. 0·85–1·15]; n'', o''. ♀ ad. ak. [c. 1·05–1·15].	Corpus Christi, Texas, Oct., Nov. (*F. B. Armstrong*).	Salvin-Godman Coll.
p''. ♀ ad. ak. [c. 1·1].	Hermosillo, State of Sonora, Nov. (*F. Ferrari-Perez*).	Salvin-Godman Coll.
q'', r''. ♂ ♀ ad. ak. [c. 0·9].	Mazatlan, Nov. 24 (*A. A. Forrer*).	Salvin-Godman Coll.
s''–a^3. Ad. ak. [c. 0·7–1·15].	Cozumel Isl. (*G. F. Gaumer*).	Salvin-Godman Coll.
b^3. ♂ ad. ak. [c. 0·95].	Carranza, Guatemala (*O. S.*).	Salvin-Godman Coll.
c^3. ♀ ad. ak. [c. 0·75].	Dueñas, April 12 (*O. S.*).	Salvin-Godman Coll.
d^3, e^3. ♂ ad. [c. 0·7]; ♀ ad. ak. [c. 1·1].	San José, Guatemala, Jan. (*O. S.*).	Salvin-Godman Coll.
f^3. ♂ ad. [c. 1·1]; g^3, h^3, i^3. ♀ ad. ak. [c. 0·8–1·15].	Chiapam, Guatemala, Jan. (*O. S.*).	Salvin-Godman Coll.
k^3. Ad. ak. [c. 0·7].	Panama (*J. McLeannan*).	Tweeddale Coll.
l^3. Ad. ak. [c. 0·7].	Jamaica.	Seebohm Coll.
m^3–p^3. Ad. ak. [c. 0·7–0·8].	St. Vincent, W.I., Sept., Oct. (*D. W. Smith*).	Salvin-Godman Coll.
q^3–s^3. Ad. ak. [c. 0·75–1·15].	Grenada, W.I., July, Aug., Sept. (*D. W. Smith*).	Salvin-Godman Coll.
a^4. ♀ ad. ak. [c. 0·85].	Antigua, Feb. (*H. W. Feilden*).	West Indian Committee [P.].
b^4. Ad. ak. [c. 0·8].	Barbados.	Sir R. Schomburgk [C.].
c^4, d^4. Ad. ak. [c. 0·7–0·9].	Trinidad.	Old Coll.
e^4, f^4. Ad. ak. [c. 0·7].	Cayenne.	Seebohm Coll.
g^4. ♀ ad. ak. [c. 0·7].	Carthagena.	Salvin-Godman Coll.
h^4. Ad. ak. [c. 0·8].	Island of Mexiana, Dec. (*A. R. Wallace*).	Salvin-Godman Coll.
i^4–m^4. Ad. ak. [c. 0·7–0·8].	Bahia, Brazil (*Dr. Wucherer*).	Salvin-Godman Coll.
o^4, p^4. Ad. ak. [c. 0·75].	Bahia, Brazil (*Dr. Wucherer*).	Seebohm Coll.
q^4, r^4. ♂ ad. ak. [c. 0·75–0·8].	Paracas Bay, Peru, Oct. (*A. H. Markham*).	Salvin-Godman Coll.

Subfamily IX. SCOLOPACINÆ.

Key to the Genera.

a. Tarsus longer than the culmen.
  a'. Centre tail-feathers produced beyond the others ..... 58. TRINGITES, p. 521.
  b'. Centre tail-feathers not produced beyond the others.
    a''. Hind toe very small, not equal to half the length of the outer toe.... [p. 524.] 59. ÆCHMORHYNCHUS,
    b''. Hind toe long, more than half the length of the outer toe ..... 60. PROSOBONIA, p. 525.
b. Tarsus and culmen practically equal in length.
  c'. No hind toe ..... 61. CALIDRIS, p. 526.
  d'. A hind toe present.
    c''. Bill spatulate ..... [p. 535.] 62. EURHYNORHYNCHUS,
    d''. Bill not spatulate.
      a'''. Tarsus about equal to middle toe and claw..... 63. LIMONITES, p. 537.
      b'''. Tarsus longer than middle toe and claw ..... [p. 561.] 64. HETEROPYGIA,
c. Culmen longer than tarsus.
  e'. Eye not placed so far back in the head; the auricular orifice placed well behind the level of the hinder line of the eye.
    e''. Tarsus not equal to middle toe; tibia feathered to tibio-tarsal joint .... 65. ARQUATELLA, p. 578.
    f''. Tarsus exceeding middle toe in length; tibia bare above tibio-tarsal joint.
      c'''. Bill slender and tapering, not compressed in the middle, with a sharp culminal ridge; the end of the bill decurved, and by no means broader than the middle ..... [p. 585.] 66. ANCYLOCHILUS,
      d'''. Bill slender, with a culminal ridge, but widening at the end; the tip straight, not decurved.
        *a*⁴. Tail square, the middle feathers not prolonged; inner secondaries falling short of primaries by more than length of tarsus .. 67. TRINGA, p. 593.
        *b*⁴. Tail pointed, the middle feathers prolonged and acuminate; inner secondaries nearly as long as primaries, and falling short of the latter by less than length of tarsus ..... 68. PELIDNA, p. 602.
      e'''. Bill with a broad and flat culmen, tapering to an awl-shaped point; the tip slightly decurved ..... 69. LIMICOLA, p. 612.
  f'. Eye placed further back; the auricular orifice just below the hinder line of the eye.
    g''. Tarsus not so long as the middle toe and claw.
      f'''. With a hind toe.
        *c*⁴. Outer primaries not attenuated, except the small bastard quill.

a^4. Long inner secondaries equal to the primaries in length; black markings on head and neck longitudinal.
a^5. With two notches in the posterior margin of the sternum ..... 70. GALLINAGO, p. 616.
b^5. With four notches in the posterior margin of the sternum ..... [p. 665. 71. LIMNOCRYPTES,
b^4. Long inner secondaries falling perceptibly short of the primaries; black markings on head and neck transverse.
c^5. Tibia bare above the tarsal joint..... [p. 670. 72. NEOSCOLOPAX,
c^6. Tibia feathered to tarsal joint..... 73. SCOLOPAX, p. 671.
d^4. Three outer primaries attenuated in a remarkable degree .. 74. PHILOHELA, p. 679.
g'''. With no hind toe ..... 75. PHEGORNIS, p. 681.
h''. Tarsus equal to the middle toe and claw; bill not perceptibly widened at the end nor pitted; the tip decurved: sexes remarkably dissimilar in plumage .... 76. ROSTRATULA, p. 683.

58. TRINGITES.

Type.
Tringites, *Cab. J. f. O.* 1856, p. 418 ..... T. sub-ruficollis.

Range. North America, nesting in the north and migrating in winter as far as Amazonia, Brazil, and Paraguay.

1. Tringites sub-ruficollis.

Chorlito garganta blanca acanelada, *Azara, Apunt.* iii. p. 320 (1805).
Tringa subruficollis, *Vieill. N. Dict. d'Hist. Nat.* xxxiv. p. 465 (1819: Paraguay); *Gray, Gen. B.* iii. p. 580 (1845); *Hartl. Ind. Azara*, p. 25 (1847).
Tringa rufescens, *Vieill. N. Dict. d'Hist. Nat.* xxxiv. p. 470 (1819); *id. Gal. Ois.* ii. p. 105, pl. 238 (1834); *Yarrell, Trans. Linn. Soc.* xvi. p. 110, pl. xi. (1833: Melbourne, Cambridgeshire); *Audub. Orn. Biogr.* iii. p. 451, pl. ccxlv. fig. 1 (1835); *Jenyns, Man. Brit. Vertebr.* p. 214 (1835); *Gould, B. Eur.* iv. pl. 326 (1837); *Bp. Comp. List B. Eur. & N. Amer.* p. 50 (1838); *Temm. Man. d'Orn.* iv. p. 408 (1840); *Keys. & Blas. Wirb. Eur.* pp. lxxvii, 216 (1840); *Gould in Darwin's Voy. 'Beagle,' Birds*, p. 130 (1841: Montevideo); *Audub. B. Amer.* 8vo, v. p. 264, pl. 331 (1842); *Bond. Zool.* 1843, p. 148 (Sussex Coast); *Giraud. B. Long Isl.* p. 230 (1844); *Gray, Gen. B.* iii. p. 579 (1845); *Rodd, Zool.* 1846, p. 1500 (Cornwall); *Reichenb. Grall.* tab. lxvii. fig. 667, tab. 357. figs. 2903-5 (1850); *Lembeye, Av. Cuba*, p. 90 (1850); *Macgill. Brit. B.* iv. p. 194 (1852); *Putnam, Proc. Ess. Inst.* i. p. 217 (1856: Essex Co., Mass.); *Rodd, Zool.* 1860, p. 7236 (Land's End, Oct.); *Brewer, Proc. Bost. Soc. Nat. Hist.* vii. p. 308 (1860: Cuba); *Saunders, Zool.* 1866, p. 389 (Belfast); *Stevens. B. Norf.* ii. p. 358 (1870: Norfolk Coast); *Harting, P. Z. S.* 1871, p. 117; *R. Gray, B. West Scotl.* p. 319 (1871: Caithness); *Scebohm, Geogr. Distr. Charadr.* p. 446 (1868); *Gätke, Vogelw. Helgol.*

p. 526 (1891); *Lilford, Col. Fig. Brit. B.* part xix. (1891); *Seebohm, Ibis*, 1892, p. 25 (Heligoland).

Buff-breasted Sandpiper, *Nuttall, Man. Orn.* ii. p. 113 (1834); *Yarrell, Brit. B.* ii. p. 634 (1843); *Blake-Knox, Zool.* 1866, p. 330 (Co. Dublin); *Rodd, Zool.* 1870, p. 2346 (Scilly Isl.).

Actitis rufescens, *Schl. Rev. Crit.* p. xcii (1844); *Blasius, Ibis*, 1862, p. 71 (Heligoland); *Schl. Mus. Pays-Bas*, Scolopaces, p. 78 (1864).

Limicola brevirostris, *Licht. Nomencl. Av. Mus. Berol.* p. 92 (1854: Brazil).

Actidurus nævius, *Heerman, Proc. Acad. Nat. Sci. Philad.* 1854, p. 178 (San Antonio, Texas).

Actiturus rufescens, *Bp. C. R.* xliii. p. 579 (1856); *Newton, List B. Eur. Blasius*, p. 18 (1862: Heligoland); *Degl. et Gerbe, Orn. Eur.* ii. p. 209 (1867: Abbeville).

Tryngites rufescens, *Cab. J. f. O.* 1856, p. 418 (Cuba); *Cass. in Baird's B. N. Amer.* p. 739 (1858); *Cooper & Suckley, N. H. Wash. Terr.* p. 244 (1860: Shoalwater Bay); *Blakist. Ibis*, 1863, p. 134; *Allen, Proc. Ess. Inst.* iv. p. 78 (1864: Springfield, Mass.); *Gould, B. Gt. Brit.* iv. pl. 64 (1865); *Dresser, Ibis*, 1866, p. 39 (Matamoras, Aug., Sept.); *Lawr. Ann. Lyc. N. Y.* viii. p. 294 (1866); *Scl. & Salv. P. Z. S.* 1866, p. 199 (Upper Ucayali); *iid. P. Z. S.* 1867, p. 754 (Xeberos), p. 979 (Pebas); *Baird, Ibis*, 1867, p. 285; *Coues, Proc. Ess. Inst.* v. p. 292 (1868: New England); *id. Proc. Bost. Soc. Nat. Hist.* xii. p. 123 (1868: S. Carolina); *Dall & Bann. Trans. Chic. Acad.* i. p. 293 (1869: Yukon R.; Sitka; Anderson R., breeding); *Harting, Handb. Brit. B.* p. 138 (1872); *Coues, Key N. Amer. B.* p. 261 (1872); *Snow, B. Kansas*, p. 10 (1873); *Scl. & Salv. Nomencl. Av. Neotrop.* p. 146 (1873); *iid. P. Z. S.* 1873, p. 309 (Upper Ucayali; Xeberos; Chamicuros; Pebas); *Ridgw. Ann. Lyc. N. Y.* x. p. 285 (1874: Illinois); *Coues, B. N.-West*, p. 506 (1874); *Gundl. J. f. O.* 1875, p. 325 (Cuba); *id. Orn. Cubana*, p. 173 (1876); *Dresser, B. Eur.* viii. p. 111, pl. 561 (1876); *Merrill, Proc. U.S. Nat. Mus.* i. p. 162 (1878: Fort Brown, Texas, spring and autumn); *Maynard, B. East. N. Amer.* p. 390 (1879); *Ridgw. Proc. U. S. Nat. Mus.* iii. p. 201 (1880); *Coues, Check-list N. Amer. B.* p. 104 (1882); *Nelson, Cruise R.S. 'Corwin,'* p. 90 (1883: Anderson R., breeding; Cape Wankarem, Siberia); *B. O. U. List Brit. B.* p. 172 (1883); *Saunders, ed. Yarrell's Brit. B.* iii. p. 435 (1883); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 305 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 642 (1884); *Seebohm, Hist. Brit. B.* iii. p. 222, pl. 31 (1885); *Murdoch, Auk*, ii. p. 63 (1885: Point Barrow); *Agersb. t. c.* p. 286 (S.E. Dakota); *Murdoch, Exped. Point Barrow*, p. 114 (1885: June to Aug., breeding); *Tacz. Orn. Pérou*, iii. p. 370 (1886); *Palmén, Vega-Exped., Fogelf.* p. 307, tab. 3 (1887); *Scl. & Hudson, Argent. Orn.* ii. p. 190 (1889); *Feilden, Ibis*, 1889, p. 497 (Barbados, Oct., rare); *Salvin, t. c.* p. 379 (Ruatan Isl.); *Saunders, Man. Brit. B.* p. 587 (1889); *Fatio & Studer, Cat. distr. Ois. Suisse*, p. 50 (1892); *Tacz. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 891 (1893).

Tringoides rufescens, *Gray, Cat. Brit. B.* p. 161 (1863); *id. Hand-l. B.* iii. p. 46, no. 10283 (1871); *Pelz. Orn. Bras.* p. 310 (1871: Ypanema; Matagrosso, Oct.; Marabitanas, March).

Tringa squalida, *Natt. Cat.*; *teste Pelz. Orn. Bras.* p. 310.

Tryngites subruficollis, *A. O. U. Check-list N. Amer. B.* p. 158 (1886); *Turner, Contr. Nat. Hist. Alaska*, p. 189 (1886); *Nelson, Rep. Coll. Alaska*, p. 119 (1887: St. Michael's, May); *Lloyd, Auk*, iii. p. 186 (1887: W. Texas, Aug.); *Cory, t. c.* p. 319 (Cuba, accidental); *Ridgw. Man. N. Amer. B.* p. 167 (1887); *Cooke*,

Bull. U. S. Agric. no. 2, p. 97 (1888: Mississippi Valley); *Cory, B. West Ind.* p. 240 (1889); *Dutcher, Auk*, vi. p. 136 (1889: Long Isl.); *Cherrie, Auk*, ix. p. 332 (1890: Costa Rica); *id. Auk*, ix. p. 329 (1892); *Mackay, t. c.* p. 389 (Nantucket Isl.); *Hatch, B. Minnesota*, p. 142 (1892); *Cory, Cat. B. West Ind.* p. 94 (1892: Greater Antilles, Cuba and Barbados); *Allen, Auk*, x. p. 125 (1893).

Adult male. General colour above mottled, the feathers being black, with sandy-coloured edges, the scapulars like the back; the lower back, rump, and upper tail-coverts like the rest of the back, but the sandy margins deeper in colour and not so distinct, the lateral tail-coverts being whitish, with a sub-terminal line of brown; outer lesser wing-coverts black, fringed with white; the remainder of the coverts brown, with blackish centres and pale edges, the greater series with some irregular sub-terminal lines of blackish; bastard-wing, primary-coverts, and primaries brown, tipped with white, with a sub-terminal shade or bar of black; the inner webs marbled with black; the secondaries white, marbled with black near the ends and having a black sub-terminal bar; long inner secondaries blackish, with broad sandy-buff edges; centre tail-feathers blackish brown; the remainder pale ashy brown, tipped with white, before which is a broad sub-terminal bar of black, the outer feathers with other interrupted narrow bars of black; crown of head like the back, but the black markings smaller than on the latter; base of forehead, lores, a narrow eyebrow, sides of face, and under surface of body rufescent buff, the feathers slightly obscured by whitish margins; the chin whitish; the sides of the upper breast spotted with black, the centres of the feathers streaked and spotted with black; under wing-coverts white, the inner ones beautiful rufescent buff; axillaries white; the lower primary-coverts marbled with black; quills below white, marbled with black along the inner web: "bill dull olive-green, dusky towards the point; feet dull yellowish green, claws dusky; iris hazel" (*J. J. Audubon*). Total length 8 inches, culmen 0·95, wing 5·1, tail 2·4, tarsus 1·2.

Adult female. Similar to the male in colour, but the black marblings on the inner web of the primaries not so distinct. Total length 7·5 inches, culmen 0·85, wing 5, tail 2·15, tarsus 1·05.

Young birds. Differ from the adults in having whitish edgings to the feathers of the upper surface; the lower back, rump, and upper tail-coverts with dark sandy-buff margins; the black sub-terminal bar on the primary-coverts and bastard-wing not so distinct, and the secondaries nearly uniform ashy brown, with white towards the base of the inner web, but only a little black marbling near the ends; the black spots on the sides of the breast very minute, and the black marbling on the lower primary-coverts and inner webs of the quills much less distinct than in the adults.

Hab. North America generally in summer, breeding in the high north, and migrating in winter to Amazonia, Brazil, and Paraguay. Accidental in Europe.

a–e. ♂ ad.; *f, g.* ♀ ad. ak.	Point Barrow, Alaska, June (*J. Murdoch*: *Hensh. Coll.*).	Salvin-Godman Coll.
h, i. ♂ ad. ak.	St. Michael's, Alaska, May (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.

k. Ad. sk.	N.W. America.	Capt. Collinson [P.].
l. Ad. sk.	Fort Rae, Great Slave Lake, June (*L. Clarke*).	Salvin-Godman Coll.
m. Ad. sk.	Fort Simpson.	B. R. Ross, Esq. [P.].
n. Ad. st.	Repulse Bay.	Dr. Rae [P.].
o, *p*. ♂ ♀ ad. sk.	Repulse Bay, June.	Dr. Rae [P.].
q, *r*. ♂ ♀ ad. sk.	Clay Co., Dakota, May 22 (*F. J. Jencks* : *Hensh. Coll.*).	Salvin-Godman Coll.
s. ♀ ad. sk.	Minneapolis, Minnesota, Aug. 1 (*H. W. Henshaw*).	Salvin-Godman Coll.
t, *u*, *v*. ♂ juv. sk.	Long Island, Massachusetts, Aug., Sept. (*H. W. Henshaw*).	Salvin-Godman Coll.
w. ♂ juv. sk.	Ipswich, Mass., Sept. 5 (*C. J. Maynard*).	Seebohm Coll.
x. ♂ ad.; *y*–*d'*. ♀ ad. sk.	Corpus Christi, Texas, May (*F. B. Armstrong*).	Salvin-Godman Coll.
e'. ♂ ad. sk.	Matamoras, Texas, Aug. 21 (*H. E. Dresser*).	Salvin-Godman Coll.
f', *g'*. Ad. sk.	Island of Ruatan (*G. F. Gaumer*).	Salvin-Godman Coll.
h'. ♂ juv. sk.	Remedios, U.S. Colombia (*T. K. Salmon*).	Salvin-Godman Coll.
i', *k'*. Ad. sk.	Peru.	Seebohm Coll.
l'. ♂ ad. sk.	Yquitos, Upper Amazons, Sept. 2 (*H. Whitely*).	Salvin-Godman Coll.
m'. ♀ ad. sk.	Yquitos, Sept. 30 (*H. Whitely*).	Seebohm Coll.
n'. ♂ ad. sk.	Pebas, E. Peru, Aug. 3 (*J. Hauxwell*).	Salvin-Godman Coll.
o'. ♀ juv. sk.	Cosnipata, Peru (*H. Whitely*).	Seebohm Coll.
p'. Ad. sk.	Xeberos, E. Peru, Oct. (*E. Bartlett*).	Salvin-Godman Coll.
q', *r'*. ♀ ad. sk.	Chamicuros, Peruvian Amazons, Sept. (*E. Bartlett*).	Seebohm Coll.
s'. Ad. sk.	Mareno, Buenos Ayres, Feb. 20.	H. Durnford, Esq. [C.].

59. ÆCHMORHYNCHUS.

Type.

Æchmorhynchus, *Coues*, *B. N.-West*, p. 506 (1874). Æ. cancellatus.

Range. Confined to Oceania.

1. Æchmorhynchus cancellatus.

Barred Phalarope, *Lath. Gen. Syn.* iii. pt. 1, p. 274 (1785 : Christmas Isl., Pacific).

Tringa cancellata, *Gm. Syst. Nat.* i. p. 675 (1788).

Phalaropus cancellatus, *Lath. Ind. Orn.* ii. p. 777 (1790).

Tringa parvirostris, *Peale*, *U.S. Expl. Exped.*, *Birds*, p. 235, pl. lxvi. fig. 2 (1848 : Paumotu Isl.) ; *Hartl. Wiegm. Archiv*, 1852, pp. 120, 136; *Cass. U.S. Expl. Exped.* p. 321, pl. 38. fig. 2 (1858).

Actiturus rufescens, var. β, *Bp. C. R.* xliii. p. 597 (1856).

Totanus (Tryngites?) cancellatus, *Gray*, *Cat. B. Trop. Isl. Pacific Ocean*, p. 51 (1859 : Christmas Isl.).

Tringoides cancellata, *Gray, Hand-l. B.* iii. p. 47, no. 10284 (1871).
Æchmorhynchus parvirostris, *Cones, B. N.-West*, p. 506 (1874).
Phegornis cancellatus, *Seebohm, Geogr. Distr. Charadr.* p. 451, pl. 17 (1888); *Wiglesw. Abhandl. k. Mus. Dresd.* 1890-91, no. 6, p. 66 (1891).

"Bill short, straight, and slender; wings long, first, second, and third quills very nearly equal; tertiaries but very little longer than the secondaries; tail rather long, wide, rounded; legs and toes long, the former robust; tibia feathered for more than half its length. A distinct stripe over and behind the eye ashy white. Entire upper parts umber-brown, unspotted on the top of the head, but on other upper parts edged and tipped with ashy white and reddish fulvous. Tail-feathers umber-brown, with irregular and imperfect transverse narrow bands of ashy and pale reddish-white, and tipped with the same. Underparts white, with a tinge of ashy; throat and middle of the abdomen unspotted; breast, sides, and under coverts of the tail spotted, and with irregular transverse bars of brown, the latter (bars) most apparent on the sides, flanks, and under coverts of the tail. Inferior coverts of wing ashy white, irregularly spotted with brown. Bill greenish, darker at the tip; legs dark green: 'iris dark brown' (*Peale*).

"Sexes very nearly alike, female slightly paler." (*Cassin.*)

Hab. Paumotou Islands; Christmas Island, Pacific.

60. PROSOBONIA.

Type.

Prosobonia, *Bp. C. R.* xxxi. p. 502 (1850) ..... P. leucoptera.

Range. Only known from the Society Islands, where it is now probably extinct.

1. Prosobonia leucoptera.

Tringa pyrrhetræa, *Forst. Icon. ined. in Brit. Mus.* no. 120; *Ellis, Icon. ined. in Brit. Mus.* no. 65; *Forst. Descr. Anim.* p. 174 (1844: Otaheiti).
White-winged Sandpiper, *Lath. Gen. Syn.* iii. pt. 1, p. 172, pl. lxxxii. (1785: Otaheite and Eimeo); *id. Gen. Hist. B.* ix. p. 296, pl. cliii. (1824).
Tringa leucoptera, *Gm. Syst. Nat.* i. p. 678 (1788); *Lath. Ind. Orn.* ii. p. 731 (1790); *Gray, Gen. B.* iii. p. 579 (1845); *Reichenb. Grall.* tab. lxxiii. fig. 610 (1850); *Hartl. Wiegm. Arch.* 1852, p. 136 (Society Isl.); *Westerm. Bijdr. Dierk.* i. p. 51, tab. 15 (1854); *Schl. Handl. Dierk.* i. p. 435, tab. 7. fig. 89 (1857).
Totanus leucopterus, *Vieill. N. Dict. d'Hist. Nat.* vi. p. 396 (1817).
Calidris leucopterus, *Cuv. Règne Anim.* i. p. 520 (1829).
Prosobonia leucoptera, *Bp. C. R.* xxxi. p. 502 (1850), xliii. p. 598 (1856); *Schl. Mus. Pays-Bas*, Scolopaces, p. 18 (1864: Otaheite); *id. Dierent.* p. 249, cum fig. (1872).
Tringa (Prosobonia) leucoptera, *Gray, Cat. B. Trop. Isl. Pacific Ocean*, p. 51 (1859: Society Isl.).
Tringoides leucopterus, *Gray, Hand-l. B.* iii. p. 46, no. 10282 (1871).
Phegornis leucopterus, *Seebohm, Geogr. Distr. Charadr.* p. 452, pl. 18 (1888); *Wiglesw. Abhandl. k. Mus. Dresd.* 1890-91, no. 6, p. 65 (1891).

Adult (type of species). General colour of upper surface blackish brown; the lower back and rump ferruginous; centre tail-feathers blackish, the rest rufous banded with black, less distinctly on the two next the middle pair; wing-coverts blackish, with a white spot near the carpal bend of the wing, formed by some of the lesser coverts; crown of head blackish, the hind-neck browner, mixed with black; sides of face brown, the lores and ear-coverts slightly more reddish, behind the eye a little white spot; cheeks and under surface of body ferruginous red, the throat buffy white: "bill black; feet greenish; iris dusky blackish" (*J. R. Forster*). Total length 6·7 inches, culmen 0·9, wing 4·45, tail 2·15, tarsus 1·3. (*Mus. Lugd.*)

Hab. Tahiti.

61. CALIDRIS.

	Type.
Calidris, *Cuvier, Leçons Anat. Comp.* tab. ii. (1800; descr. nullâ)	"Maubèche."
Arenaria (*nec Briss.*), *Bechst. Orn. Taschenb.* p. 462 A (1803)	C. arenaria.
Calidris, *Illiger, Prodr. Syst. Nat.* p. 249 (1811)	C. arenaria.

Range. Nearly cosmopolitan.

1. Calidris arenaria.

The Sanderling, *Albin, N. Hist. B.* ii. p. 68 (*nec* pl. 74?) (1738); *Penn. Arctic Zool.* ii. p. 486 (1785); *Lath. Gen. Syn.* iii. pt. 1, p. 197 (1785); *Yarr. Brit. B.* ii. p. 427 (1843); *Graham, B. Iona*, p. 239 (1890).

La petite Maubèche grise, *Briss. Orn.* v. p. 236, pl. xx. fig. (1760).

Tringa arenaria, *Linn. Syst. Nat.* i. p. 251 (1766); *Audub. B. Amer.* pl. ccxxx.; *id. Orn. Biogr.* iii. p. 231 (1835), v. p. 582 (1839); *id. B. Amer.* v. p. 287, pl. 338 (1842); *Keys. u. Blas. Wirb. Eur.* pp. lxxv, 214 (1840); *Schl. Rev. Crit.* p. xc (1844); *id. Vog. Nederl.* pl. 235 (1854); *id. Dier. Nederl. Vog.* pl. 25. figs. 1, 1 *a* (1861); *Gundl. J. f. O.* 1856, p. 422; *Brewer, Proc. Bost. Soc. N. H.* vii. p. 308 (1860: Cuba); *March, Proc. Philad. Acad.* 1864, p. 67 (Jamaica); *Schl. Mus. Pays-Bas*, Scolopaces, p. 65 (1864); *Fritsch, Vög. Eur.* Taf. 33. fig. 7 (1870); *Shelley, B. Egypt*, p. 253 (1872); *Seebohm, Geogr. Distr. Charadr.* p. 431 (1888); *id. B. Japan. Emp.* p. 336 (1890); *Wiglesw. Abhandl. k. Mus. Dresd.* 1890–91, no. 6, p. 94 (1891).

Charadrius calidris, *Linn. Syst. Nat.* i. p. 255 (1766; *ex Briss.*); *Gm. Syst. Nat.* i. p. 688 (1788); *Wilson, Amer. Orn.* vii. p. 68, pl. 59. fig. 4 (1813).

La Sanderling, *Buff. Hist. Nat. Ois.* vii. p. 532 (1780).

Ruddy Plover, *Penn. Arctic Zool.* ii. p. 486 (1785); *Lath. Gen. Syn.* iii. pt. 1, p. 195 (1785).

Charadrius rubidus, *Gm. Syst. Nat.* i. p. 688 (1788); *Wilson, Amer. Orn.* vii. p. 129, pl. 58. fig. 3 (1813).

Arenaria vulgaris, *Bechst. Orn. Taschenb.* p. 464 A (1803).

? Chorlito pies roxos, *Azara, Apunt.* iii. p. 328 (1805), *undè* Tringa nigellus, *Vieill. Enc. Méth.* p. 1103; = C. arenaria, *teste Licht. Verz. Doubl.* p. 72 (1823); *cf. Hartl. Ind. Azara*, p. 25 (1847).

Arenaria grisea, *Bechst. Naturg. Deutschl.* iii. p. 368 (1809).

Arenaria calidris, *Meyer & Wolf, Taschenb.* ii. p. 326, cum fig.

(1810); *Gould, B. Eur.* iv. pl. 335 (1837); *Lembeye, Av. Cuba*, p. 101 (1850).

Calidris arenaria, *Illiger, Prodr.* p. 249 (1811); *Temm. Man. d'Orn.* ii. p. 524 (1820); *Werner, Atlas, Coureurs*, pl. 8 (1827); *Swains. & Richards. Faun. Bor.-Amer., Birds*, p. 366 (1831: breeds on Hudson's Bay as low as 55° N. lat.); *Jard. ed. Wilson's Amer. Orn.* iii. p. 31 (1832); *Ménétr. Cat. Rais. Casc.* p. 52 (1832: Baku); *Naum. Vög. Deutschl.* vii. Taf. 182 (1834); *Crespon, Orn. Gard*, p. 352 (1840); *Nordm. in Démid. Voy. Russ. Mérid.* iii. p. 238 (1840: Odessa; Crimea); *Selys-Longch. Faune Belge*, p. 124 (1842); *Gray, List Grallæ Brit. Mus.* p. 107 (1844); *id. Gen. B.* iii. p. 581 (1845); *Rüpp. Syst. Uebers.* p. 126 (1845); *Gosse, B. Jamaica*, p. 354 (1847); *Cab. in Schomb. Reis. Guian.* iii. p. 758 (1848: R. Waini); *Thomps. B. Irel.* ii. p. 121 (1849); *Reichenb. Handb. Grall.* tab. lxxii. figs. 605-607 (1851); *Harcourt, P. Z. S.* 1851, p. 146 (Madeira); *Macgill. Hist. Brit. B.* iv. p. 237 (1852); *Kjærb. Orn. Dan.* Taf. xxxiv. fig. 1, *Suppl.* Taf. xv. figs. 4, 5 (1852); *Burm. Th. Bras.* iii. p. 371 (1856: Coasts of Central Brazil); *Hartl. Orn. W.-Afr.* p. 238 (1857: Gambia; Gold Coast); *Kittl. Denkw.* i. p. 254 (1858); *Scl. P. Z. S.* 1858, p. 230 (Santa Comapam, S. Mexico, Jan.); *Baird, Cassin, & Lawr. B. N. Amer.* p. 723 (1858); *Scl. P. Z. S.* 1863, p. 369 (Jalapa); *Jaub. & Barth.-Lapomm. Rich. Orn.* p. 470 (1859); *Scl. & Salv. Ibis*, 1859, p. 229 (Pacific Coast of Central America); *A. & E. Newt. t. c.* p. 256 (S. Croix); *Heugl. t. c.* p. 348 (Zeila; Berbera, Sept. to Nov.); *Sundev. Svensk. Fogl.* pl. lxxvi. fig. 1 (1860); *Linderm. Vög. Griechenl.* p. 141 (1860); *Powys, Ibis*, 1860, p. 343; *Swinh. t. c.* p. 359 (Amoy), 1861, p. 342; *Reinh. Ibis*, 1861, p. 11 (Greenland; Disco, breeding); *Jerd. B. Ind.* iii. p. 694 (1863: Nellore Coast); *Roch & E. Newton, Ibis*, 1863, p. 109 (Madagascar); *Swinh. t. c.* p. 414 (Formosa); *Blakist. t. c.* p. 132 (Mackenzie River); *Gray, List Brit. B.* p. 171 (1863); *Swinh. P. Z. S.* 1863, p. 315 (Amoy, Sept. to May); *A. Newt. in Baring-Gould's 'Iceland,'* p. 413 (1863: ? breeding); *Tristr. P. Z. S.* 1864, p. 377 (Grimsey Isl., Iceland, ? breeding); *id. t. c.* p. 452 (Palestine, rare in winter); *Salvin, Ibis*, 1864, p. 380 (Brit. Honduras); *Monteiro, P. Z. S.* 1865, p. 95 (Benguela); *Gurney, Ibis*, 1865, p. 272 (Natal); *Scl. P. Z. S.* 1867, p. 339 (Chili); *Layard, B. S. Afr.* p. 332 (Cape Colony); *Degl. & Gerbe, Orn. Eur.* ii. p. 188 (1867); *Lathe, Exped. Sci. Algér., Ois.* ii. p. 303 (1867); *Scl. & Salv. P. Z. S.* 1868, pp. 176, 570 (Tambo Valley); *Tristr. Ibis*, 1868, p. 327 (Palestine); *Smith, t. c.* p. 455 (Portugal); *Dybowski & Parvez, J. f. O.* 1868, p. 338 (Darasun); *Dall & Bann. Tr. Chicago Acad.* i. p. 282 (1869: May to October); *Borggr. Vogelf. Norddeutschl.* p. 116 (1869); *Doderl. Arif. Sicil.* p. 192 (1869); *Elwes & Buckley, Ibis*, 1870, p. 331 (Kustendji); *Swinh. t. c.* p. 363 (Hainan); *Scl. & Salv. P. Z. S.* 1870, p. 323 (Bindloe Isl., Galapagos); *Finsch & Hartl. Vög. Ostafr.* p. 767 (1870: Mozambique); *Prjev. Puteesch. Ussuri*, no. 168 (1870); *Gray, Hand-l. B.* iii. p. 51, no. 10324 (1871); *Salvad. Faun. Ital., Ucc.* p. 211 (1871); *R. Gray, B. West Scotl.* p. 261 (1871); *Heugl. Orn. N.O.-Afr.* ii. p. 1196 (1871: April and May); *Saunders, Ibis*, 1871, p. 388 (S. Spain); *Pelz. Orn. Bras.* pp. 312, 458 (Ypanema, Cajutuba, Nov.); *Harting, Handb. Brit. B.* p. 49 (1872); *Finsch, Abhandl. nat. Ver. Bremen*, iii. p. 65 (1872); *Gurney in Anderss. B. Dam. Ld.* p. 311 (1872); *Heugl. Ibis*, 1872, p. 63 (Waigatz Isl., Sept.); *Coues, Key N. Amer. B.* p. 257 (1872); *Scl. & Salv. Nomencl. Av. Neotr.* p. 145 (1873);

Brooke, Ibis, 1873, p. 340 (Sardinia): *Severtz. Turkest. Jevotn.* p. 69 (1873); *Gould, B. Gt. Brit.* iv. pl. 66 (1873); *Hayes Lloyd, Ibis*, 1873, p. 417 (Gulf of Kutch); *Hume, Str. F.* i. p. 244 (1873: Karachi); *Coues, B. N.-West*, p. 492 (1874); *Tacz. P. Z. S.* 1874, p. 560; *Salvad. Ucc. Born.* p. 322 (1874); *Le Messurier, Str. F.* iii. p. 381 (1875: Manore, Sind); *Irby, B. Gibr.* p. 174 (1875: winter to May); *Shelley, Ibis*, 1875, p. 86 (Salt River, Cape Town); *Danf. & Harvie-Brown, t. c.* p. 424 (Transylvania); *Fallon, Ois. Belg.* p. 148 (1875); *Scully, Str. F.* v. p. 188 (1875: Yarkand, Oct.); *Armstr. t. c.* p. 343 (Elephant Point); *Hume, t. c.* p. 465 (Laccadives); *id. t. c.* p. 496 (Kutch); *Dresser, Ibis*, 1876, p. 411; *Tacz. Bull. Soc. Zool. France*, i. p. 249 (1876: Kultuk, Darasun); *Seeb. & Harvie-Brown, Ibis*, 1876, p. 308 (Petchora R.); *Blanf. East. Persia*, ii. p. 283 (1876: Mekran Coast); *Salvin, Trans. Z. S.* ix. p. 503 (1876: Bindloe Island); *Tacz. Bull. Soc. Zool. France*, ii. p. 156 (1877: R. Vistula, Oct.); *Butler, Str. F.* v. pp. 215, 233, 236 (1877); *David & Oust. Ois. Chine*, p. 467 (1877: China Coast only); *Reid, Zool.* 1877, p. 477 (Bermudas); *Hartl. Vög. Madag.* p. 333 (1877); *Dresser, B. Eur.* viii. p. 101, pls. 559, 560 (1877); *Feilden, Ibis*, 1877, p. 408 (Grinnell Land, breeding); *id. App. to Nares' Voy.* ii. p. 210, cum tab. color. (1878: Grinnell Land, egg); *Blakist. & Pryer, Ibis*, 1878, p. 221 (S.E. Yezo); *Durnf. t. c.* p. 404 (Tambo Point); *Gundl. An. Soc. Esp. Hist. Nat.* vii. p. 376 (1878: Porto Rico); *Merrill, Proc. U.S. Nat. Mus.* i. p. 161 (1878: Padre & Brazos Isl., S. Texas, July 10); *Lawr. t. c.* p. 197 (S. Vincent), p. 450 (Guadeloupe); *Bogd. B. Cauc.* p. 159 (1879); *Legge, B. Ceylon*, p. 1220 (1879: Negombo Lake); *Hume, Str. F.* viii. p. 113 (1879); *Butler, Cat. B. Sind etc.* p. 63 (1879); *Finsch, Verh. z.-b. Ges. Wien*, xxix. p. 253 (1879: Tundra N. of Schtschutschja); *Cory, B. Bahamas*, p. 160 (1880: Jan.); *Finsch, Ibis*, 1880, p. 331; *Seeb. Ibis*, 1880, p. 194 (Yenesei R.); *Finsch, t. c.* p. 331 (Marshall Isl., Oct.); *Vidal, Str. F.* ix. p. 85 (1880: S. Konkan); *A. & E. Newt. Handb. Jamaica*, 1881, p. 116; *Bocage, Orn. Angola*, p. 473 (1881); *Maynard, B. East. N. Amer.* p. 386 (1881); *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 200 (1881); *Sharpe, P. Z. S.* 1881, p. 10 (Talcahuano, Chili); *Shelley, t. c.* p. 600 (Lamo, E. Africa); *Seeb. Ibis*, 1882, p. 223 (Sarepta), p. 381 (Archangel, autumn); *Neale, P. Z. S.* 1882, p. 654 (Franz Josef Land); *Blakist. & Pryer, B. Japan*, p. 112 (1882); *Nelson, Cruise 'Corwin,'* p. 88 (1883: Alaska); *Salvin, P. Z. S.* 1883, p. 429 (Coquimbo); *Boucard, t. c.* p. 462 (Yucatan); *Irby, Ibis*, 1883, p. 187 (Santander, May); *B. O. U. List Brit. B.* p. 172 (1883); *Booth, Rough Notes*, part 2 (1883); *Saunders, ed. Yarrell's Br. B.* iii. p. 420 (1883); *Severtz. Ibis*, 1883, p. 52 (Pamir); *Oates, Handb. B. Br. Burm.* ii. p. 398 (1883); *Sharpe, ed. Layard's B. S. Afr.* p. 684 (1884: Port Elizabeth; E. London); *Baird, Brewer, & Ridgw. Water-B. N. Amer.* i. p. 249 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 633 (1884); *Everm. Auk*, i. p. 91 (1884: Ventura Co., Cal., winter); *Murray, Vertebr. Faun. Sind*, p. 252 (1884); *Blakist. Amend. List B. Japan*, p. 11 (1884: Japan generally), p. 37 (Kuriles); *Tristr. Faun. & Flor. Palest.* p. 133 (1884: coast in winter); *Bogd. Consp. Av. Imp. Ross.* p. 99 (1884: range); *Radde, Orn. Cauc.* p. 428 (1884; Lenkoran, winter); *Finsch, Vög. der Südsee*, p. 56 (1884: Jaluit, Oct.); *Salvad. Ann. Mus. Genov.* (2) i. p. 223 (1884: Lake Cialalaká, Nov.); *Seebohm, Hist. Brit. B.* iii. p. 221, pl. xxvii. fig. 8 (1885); *Stejn.*

Bull. U.S. Nat. Mus. no. 29, p. 122 (1885: Bering Isl., Sept.); *Turner, Proc. U.S. Nat. Mus.* viii. p. 247 (1885: Kokoaak R., Labrador); *Verbury, Ibis*, 1886, p. 21 (Aden); *Gigl. Avif. Ital.* p. 380 (1886); *Slater & Carter, Ibis*, 1886, p. 50 (N. Iceland); *Salv. t. c.* p. 170 (British Guiana); *Pleske, Uebers. Saug. & Vog. Kola-Halb.* p. 356 (1886); *Tacz. Orn. Peron.* iii. p. 353 (1886); Chorillos); *Turner, Contr. N. H. Alaska*, p. 180 (1886: Alaska); *A. O. U. Check-list N. Amer. B.* p. 153 (1886); *Salvad. Elenc. Vec. Ital.* p. 217 (1887); *Nelson, Rep. N. H. Coll. Alaska*, p. 115 (1887: N. Alaska; breeding E. of Pt. Barrow; Nulato; R. Yukon); *Ridgw. Man. N. Amer. B.* p. 108 (1887); *Tait, Ibis*, 1887, p. 391 (Portugal, Aug. to Nov.); *Beckh. Proc. U.S. Nat. Mus.* x. p. 652 (1887: Corpus Christi, Texas, April); *Scott, Auk*, iv. pp. 219, 276, 278 (1887: Florida to May 28); *Green, t. c.* p. 350 (L. Onondaga, N.Y.); *Stejn. Proc. U.S. Nat. Mus.* x. p. 82 (1887: Kauai), p. 130 (Commander Isl.); *Palmén, Vega-Exped., Fogelf.* p. 307, tab. 3 (1887); *Warren, B. Pennsylv.* p. 230 (1888); *Dutcher, Auk*, v. p. 179 (1888: Long Isl., Aug. & Nov.); *Cooke, Bull. U.S. Agric.* no. 2, p. 94 (1888: Mississippi Valley); *Ridgw. Proc. U.S. Nat. Mus.* xii. p. 120 (1889: Bindloe Isl.); *Cory, B. W. Ind.* p. 236 (1889: Antilles, winter); *Sel. & Hudson, Argent. Orn.* ii. p. 186 (1889); *Lilford, Ibis*, 1889, p. 341 (Cyprus, Oct.); *Salvin, t. c.* p. 379 (Cozumel); *Feilden, t. c.* p. 459 (Barbados, Aug. to Dec.); *Reichen. Syst. Verz. Vog. Deutschl.* p. 49 (1889); *Scott, Auk*, vi. p. 157 (1889); *Giglioli, Avif. Ital., 1st Resc.* p. 502 (1889), *2nd Resc.* p. 646 (1890), *3rd Resc.* p. 509 (1891); *Mackay, Auk*, vii. p. 294 (1890: Muskeget Isl., Mass., winter); *Scott, t. c.* p. 308 (Dry Tortugas, spring); *Everett, Ibis*, 1890, p. 405 (Baram Point); *Eagle Clarke, Zool.* 1890, p. 13 (Jan Mayen); *id. Auk*, vii. p. 82 (1890: Hudson's Bay); *Cory, Auk*, vii. p. 374 (Anegada Isl., winter); *Heine & Reichen. Nomencl. Mus. Hein.* p. 328 (1890: Harz Mts.; Mexico; Java, Guiana); *Koenig, J. f. O.* 1890, p. 314 (Teneriffe); *Palmer, Proc. U.S. Nat. Mus.* xiii. p. 280 (1890: Newfoundland, Aug.); *Thompa t. c.* p. 501 (Manitoba); *Brusina, Mollr. etc. (Orn. Croat.)* p. 90 (1890); *McFarlane, Proc. U.S. Nat. Mus* xiv. p. 427 (1891: near Franklin Bay); *Dust. Miss. Sci. Cap Horn, Ois* p. 286 (1891); *Sharpe, Sci. Res. 2nd Yark. Miss., Aves*, p. 130 (1891); *Wiglesw. Abhandl. Mus. Dresden*, no. 6, p. 64 (1891); *Stejn. Proc. U.S. Nat. Mus.* xiv. p. 402 (1891: Japan); *Hagerup, B. Greenland*, p. 55 (1891); *Styan, Ibis*, 1891, pp. 331, 500 (Lower Yangtsze); *Miller, Auk*, viii. p. 110 (1891: Cape Cod, Sept.); *Madarasz, Erlaut. Ausst. Ungar. Vogelf.* p. 110 (1891: Hungary); *Schalow, J. f. O.* 1891, p. 259; *Reiser, Vog. Landesm. Serajevo*, p. 128 (1891: Bosnia, spring); *Frivaldsky, Av. Hung.* p. 145 (1891); *Buckley & Harvie-Brown, Vertebr. Faun. Orkney Isl.* p. 219 (1891); *Newt. Rev. Austr. Mus.* ii. p. 22 (1892: Australia); *Scott Wilson & Evans, Av. Hawaii.* part iii. (1892); *Seeb. Ibis*, 1892, p. 403 (N. Borneo); *A. Newt. Add. 'Ibis,'* 1892, pp. 1, 2; *Fatio & Studer, Cat. distr. Ois. Suisse*, p. 50 (1892); *Koenig, J. f. O.* 1892, p. 91 (Tunis); *Lilford, Col. Fig. Brit. B.* part xxi. (1892); *Reichen. Jb. Hamb. Wiss. Anst.* x. p. 7 (1893: Zanzibar); *Barnes, Ibis*, 1893, p. 171 (Aden); *Meade-Waldo, t. c.* p. 295 (Canary Isl.); *Styan, t. c.* p. 437 (Hainan); *Tacz. Mém. Acad. Imp. Sci. St. Petersb.* (7) xxxix. p. 841 (1893); *Chapm. Bull. Amer. Mus. Nat. Hist.* vi. p. 77 (1894: Trinidad); *Reichen. Vog. deutsch-Ost-Afr.* p. 41 (1894: Bukoba); *Reiser, Ornis Balcanica*, p. 171 (1894); *Sharpe, Ibis*, 1894, p. 541 (Labuan;

Tampussak R.; Baram Point); *Eagle Clarke, Ibis*, 1895, p. 208 (Delta of the Rhone); *H. J. & C. E. Pearson, t. c.* p. 248 (Iceland).

Tryngа tridactyla, *Pall. Zoogr. Rosso-Asiat.* ii. p. 198 (1811: Lake Baikal).

Calidris grisea, *Meyer, Vög. Liv- u. Esthl.* p. 177 (1815); *Brehm, Vög. Deutschl.* p. 674 (1831).

Calidris rubidus, *Vieill. N. Dict. d'Hist. Nat.* xxx. p. 127 (1819).

Calidris tringoides, *Vieill. Gal. Ois.* iii. p. 95, pl. 234 (1825).

Calidris americana, *Brehm, Vög. Deutschl.* p. 675 (1831).

Tringa (Calidris) arenaria, *Middend. Reis. Sibir., Zool.* p. 219 (1851: Taimyr River; Boganida, June).

Calidris muelleri, *Brehm, Vogelf.* p. 318 (1855).

? Tringa, sp., *Streets, Amer. Nat.* 1877, p. 71 (Christmas and Palmyra Isls.).

Adult male in winter plumage. General colour above light ashy grey, with more or less distinct hoary white edgings to the feathers, and obsolete blackish shaft-stripes, somewhat more distinct on the lower back and rump; scapulars like the back; sides of lower back and rump white; upper tail-coverts blackish, edged and tipped with white, the lateral ones entirely white; lesser wing-coverts blackish; median ones ashy, broadly edged with white, and with a blackish shaft-line; greater coverts blackish, narrowly edged and broadly tipped with white, forming a broad white band across the wing; bastard-wing blackish; primary-coverts blackish, the outer narrowly, but the inner ones broadly, tipped with white; quills with white shafts, and a broad white base to the feathers; the secondaries edged with white at the tip; the primaries ashy white for the greater part of the inner web, the elongated inner secondaries white on both webs; centre tail-feathers ashy grey, blackish towards the tips, with white shafts and margins to the feathers; remainder of tail-feathers dusky brown, whitish on the inner webs, margined externally with white and having white shafts; crown of head like the back, with tiny dusky centres; a broad frontal band, lores, eyebrow, sides of face, and under surface of body pure white; sides of neck light ashy grey like the back; under wing-coverts and axillaries pure white, the edge of the wing mottled with dusky centres to the feathers; quills below dusky whitish along the inner web: "bill and feet olive-black; iris dark brown" (*L. Stejneger*). Total length 7 inches, culmen 1·05, wing 4·75, tail 1·8, tarsus 0·9, middle toe and claw 0·7.

Adult female in winter plumage. Similar to the male. Total length 7 inches, culmen 1·05, wing 4·75, tail 1·75, tarsus 0·95, middle toe and claw 0·75.

Adult male in summer plumage. Differs from the winter plumage in being mottled and not uniform, the upper surface being cinnamon-rufous, mottled with black centres to the feathers, which have hoary whitish or ashy edges; the inner secondaries cinnamon-rufous like the scapulars and back; sides of lower back and lateral upper tail-coverts pure white; sides of face, throat, and sides of breast deep cinnamon-rufous, mottled with black

centres to the feathers; rest of under surface white. Total length 6·5 inches, culmen 0·9, wing 4·9, tail 1·9, tarsus 0·9, middle toe and claw 0·75.

Adult female in summer plumage. Similar to the male, but has not quite so much bright rufous in the plumage, the fore-neck being barred with blackish. Total length 8 inches, culmen 1·05, wing 4·9, tail 1·95, tarsus 1, middle toe and claw 0·8.

Young. Somewhat similar to the winter plumage of the adult, but not so uniform above; the entire under surface of body pure white, as also the forehead and sides of face, but the centre of the forehead is mottled with blackish to the base of the bill, and there is a dusky streak between the bill and the eye, as well as along the upper edge of the ear-coverts; on the sides of the breast and on the fore-neck there is generally a tinge of vinous buff or vinous; sides of the upper breast and the sides of the neck distinctly spotted with black. The upper surface is for the most part black, mottled with spots of white or sandy whitish, these spots being mostly terminal on the back and scapulars; the lower back, rump, and upper tail-coverts are ashy with a sandy-buff tip and a sub-terminal spot of black, and fringed at the tips with a narrow blackish line, giving the rump the appearance of being lined transversely with black; the head is also blackish, varied with brown or whitish edges to the feathers, and forming a more or less distinct cap, which is separated from the mantle by the light colour of the hind-neck, which is ashy streaked with dusky brown; wings much as in the winter plumage of the adult, but the greater and median coverts, as well as the inner secondaries, mottled like the back.

The plumage above described is the one in which the Sanderling is most frequently met with in Great Britain, as by far the greater number of birds which visit our shores are birds of the year.

Old birds arriving in autumn from the North in very worn plumage certainly moult before leaving England for their winter home, and I have found traces of a moult in some few immature individuals, showing that in the first winter the young bird of the year also attains a complete winter plumage, like that of the old birds. More than one specimen obtained in the winter quarter of the species proves the correctness of this theory.

I believe that the breeding-plumage is not gained by a moult only, for I have examined some specimens in partial breeding-plumage, which show that the nuptial dress is donned by means of a change in the pattern, as well as by a complete change of feather.

Hab. Nearly cosmopolitan, breeding in the Arctic Regions, and visiting all the Southern continents in winter.

a. Ad. sk.	England.	Theodore Fisher, Esq. P.Z.S.
b. Ad. æstiv. sk. (c. 10).	England.	Hume Coll.
c. Juv. st.	Inverness, N.B.	Purchased.

d. ♂ imm. sk. [c. 1·0].	Orkney Islands, Aug. 24 (*R. G. W. R.*).	Tweeddale Coll.
e, *f*. ♂ ♀ juv. sk. [c. 1·0–1·05].	Thurso, N.B., Aug. 30 (*R. G. W. R.*).	Tweeddale Coll.
g, *h*. Juv. sk. [c. 1·0–1·05].	Isle of Grain, Sept. (*R. G. W. R.*).	Tweeddale Coll.
i, *k*. ♂ ad. et juv. sk. [c. 1·05].	Island of Tiree, Aug. 22.	Colonel Irby [P.].
l. Ad. st.	Lancashire, May.	J. E. Harting, Esq. [C.].
m–*q*. Ad. et juv. sk. [c. 0·95–1·05].	Tetney, Lincolnshire, Sept.	J. Caton Haigh, Esq. [P.].
r. Ad. st.	Wells, Norfolk.	C. Coninghame, Esq. [P.].
s. Ad. st.	Southend.	Old Coll.
t–*b'*. Ad. [c. 1·0–1·1] et juv. sk. [c. 0·9–1·05].	Romney Marsh, Kent, Aug., Sept.	Dr. R. B. Sharpe [P.].
c'. Juv. st.	Romney Marsh.	Dr. Gordon Hogg [P.].
d'. Ad. st.	Brighton, Sussex.	Dr. R. B. Sharpe [P.].
e', *f'*. ♂ ♀ ad. æstiv. sk. [c. 0·9–1·0].	Lancing, Sussex, May 6.	Dr. R. B. Sharpe [P.].
g', *h'*, *i'*. Juv. sk. [c. 0·9–1·05].	Pagham, Sussex, Sept. 5.	Dr. Günther [P.].
k'. ♂ juv. sk.	Pagham, Sussex, Sept. 10 (*J. E. Harting*).	Seebohm Coll.
l'. Juv. sk.	Cornwall.	Montagu Coll.
m'. Ad. sk.	Marocco (*Olcese*).	Seebohm Coll.
n', *o'*, *p'*. Juv. sk. [c. 1·0–1·05].	Heligoland, Sept. 26–Oct. 5 (*R. B. S.*).	F. Nicholson, Esq. [P.].
q'. Ad. sk.	Heligoland, Jan. (*L. Gätke*).	Seebohm Coll.
r', *s'*. Juv. sk.	Heligoland, Sept. 26–Oct. 2 (*H. S.*).	Seebohm Coll.
t'. Imm. st.	Archangel.	R. B. Sharpe, Esq. [P.].
u'. ♀ ad. sk. [c. 1·05]; *v'*. Ad. sk.	River Petchora, Northern Russia (*J. A. Harvie-Brown*).	Col. Feilden [P.].
w', *x'*. ♂ ♀ ad. sk.	R. Petchora, July (*H. S. & J. A. H. B.*).	Seebohm Coll.
y'. ♂ ad. sk.	Missolonghi, Greece, May 27 (*H. S.*).	Seebohm Coll.
z', *a''*. ♀ ad. sk. [c. 1·0–1·05].	Gwadar, Baluchistan, Dec., Jan.	W. T. Blanford, Esq. [P.].
b''–*f''*. ♂ ad. [c. 0·9–1·1]; *g''*. ♀ ad. sk. [c. 1·05].	Karachi, Sind, Feb. 1872 (*A. O. H.*).	Hume Coll.
h'', *i''*. ♂ ad. [c. 0·95–1·0]; *k''*. ♀ ad. sk. [c. 1·1]	Karachi, August (*E. A. Butler*).	Hume Coll.

l'', *m''*. Ad. sk. [c. 1·0–1·05].	Mandavu, Kutch, Jan. 7 (*F. Stoliczka*).	Hume Coll.
n''. Juv. sk. [c. 0·95].	Balacheri, Kathiawar, Oct. 15.	Col. Hayes Lloyd [P.].
o''. ♀ ad. sk. [c. 1·0].	Malvan, South Konkan, Jan. 23 (*G. Vidal*).	Hume Coll.
p'', *q''*. ♂ ♀ ad. sk. [c. 0·95–1·0].	Bitripar, Laccadives, Feb. 14 (*A. O. H.*).	Hume Coll.
r''. ♂ ad. sk. [c. 1·05].	Elephant Point, Burma, Dec. 1 (*J. Armstrong*).	Hume Coll.
s''. Ad. sk. [c. 0·95].	Tampussak River, N.W. Borneo.	W. Pretyman, Esq. [P.].
t''. Juv. sk. [c. 1·05].	Baram River, Sarawak, Oct.	A. H. Everett, Esq. [C.].
u''. Juv. sk.	Labuan, Oct.	A. H. Everett, Esq. [C.].
v''. ♀ juv. sk. [c. 1·05].	S. Yezo, Japan, Sept. (*Capt. Blakiston*).	Tweeddale Coll.
w'', *x''*. Ad. sk.	Yokohama, May (*Snow*).	Seebohm Coll.
y''. Ad. sk.	Amoy, China, April (*R. Swinhoe*).	Seebohm Coll.
z'', *a*³. Juv. sk.	Amoy, Nov. (*R. S.*).	Seebohm Coll.
	African specimens.	
*b*³. Ad. hiem. sk. [c. 1·0].	R. Gambia.	Governor Rendall [C.].
*c*³. Juv. sk. [c. 1·07].	Benguela.	Monteiro Coll.
*d*³. ♂ ad. hiem. sk. [c. 0·95].	Walvisch Bay, April 14 (*C. J. Andersson*).	Tweeddale Coll.
*e*³, *f*³. ♂ ad. hiem. sk.	Walvisch Bay, Oct., Dec. (*C. J. A.*).	Tweeddale Coll.
*g*³, *h*³. ♂ ♀ ad. sk.	Walvisch Bay, Oct. (*C. J. A.*).	Seebohm Coll.
*i*³, *k*³. Ad. hiem. sk. [c. 0·95–1·0].	Cape Colony (*E. L. Layard*).	Salvin-Godman Coll.
*l*³. Ad. sk.	Cape Colony (*E. L. Layard*).	Seebohm Coll.
*m*³. Ad. st.	Cape Colony.	Sir A. Smith [C.].
*n*³. Ad. sk.	Durban, Natal, March 29 (*H. S.*).	Seebohm Coll.
*o*³. Ad. sk. [c. 1·0].	Mozambique.	Dr. Gueinzius [C.].
*p*³. Ad. sk.	Lamu, E. Africa (*Sir J. Kirk*).	Seebohm Coll.
	American specimens.	
*q*³. ♀ ad. sk. [c. 1·05].	Arctic Regions, lat. 82° 32′, June 4.	Colonel Feilden [C.].
*r*³, *s*³. ♂ ♀ ad. sk. [c. 0·95–1·05].	Kane's Folly, lat. 82° 33′, July 12.	Colonel Feilden [C.].
*t*³, *u*³. Ad. sk. [c. 1·0–1·05].	Repulse Bay.	Dr. Rae [P.].
*v*³, *w*³. Ad. sk. [c. 1·0–1·05].	N.W. America.	Capt. Collinson [P.].
*x*³. Juv. sk. [c. 1·0].	Albany River, N. America.	G. Branston, Esq. [P.].
*y*³. Juv. sk. [c. 1·05].	Straits of San Juan de Fuca.	Capt. Kellett and Lieut. Wood [P.].
*z*³, *a*⁴. Ad. sk.	Shoalwater Bay, Washington Terr. (*Dr. A. L. Herrman*).	Seebohm Coll.

b^4, c^4. ♂ ad. [c. 1·05]; d^4, e^4. ♀ ad. sk. [c. 0·95].	Santa Barbara, California, Nov. 10 (*Hensh. Coll.*).	Salvin-Godman Coll.
f^4. ♀ ad. sk. [c. 1·0].	San Cristobal Bay, Lower California, Nov. 16 (*C. H. Townsend*: *Hensh. Coll.*).	Salvin-Godman Coll.
g^4. Juv. sk. [c. 1·05].	Bay of Fundy (*H. E. Dresser*).	Salvin-Godman Coll.
h^4, i^4. Ad. et juv. sk. [c. 1·0–1·05].	New Jersey (*H. E. Dresser*).	Salvin-Godman Coll.
k^4. Ad. sk.	New Jersey (*Dr. Heerman*).	Seebohm Coll.
l^4. ♀ ad. [c. 1·1]; m^4, n^4. ♀ juv. sk. [c. 1·15].	Long Island, Massachusetts, Sept. 3 (*H. W. H.*: *Hensh. Coll.*).	Salvin-Godman Coll.
o^4. Ad. sk. [c. 1·05].	Cambridge, Massachusetts, Nov. 11 (*H. W. H.*: *Hensh. Coll.*).	Salvin-Godman Coll.
p^4. Juv. sk. [c. 0·95].	Ainsworth, Illinois, Aug. 29 (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
q^4. ♂ ad. [c. 0·9]; r^4, s^4. ♀ ad. sk. [c. 1·0–1·1].	Waukegan, Illinois, May 24 (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
t^4. ♂ juv. sk. [c. 0·95].	Sheffield, Indiana, Sept. (*H. K. Coale*: *Hensh. Coll.*).	Salvin-Godman Coll.
u^4. ♂ ad. sk. [c. 1·05].	Melbourne, Florida, Sept. 16 (*W. Hoxie*: *Hensh. Coll.*).	Salvin-Godman Coll.
v^4. Ad. sk.	Bermuda.	Capt. Savile Reid [C.].
w^4, x^4, y^4. ♂ ad. [c. 1·0–1·1]; z^4–d^5. ♀ ad. sk. [c. 1·05–1·1].	Corpus Christi, Texas, Oct., Nov. (*F. B. Armstrong*).	Salvin-Godman Coll.
e^5, f^5. ♀ ad. sk. [c. 1·1].	San Blas, Tepic, Mexico, April 25 (*W. B. Richardson*).	Salvin-Godman Coll.
g^5. ♂ ad. sk. [c. 1·1].	Misantla, Vera Cruz, Nov. 14 (*F. Ferrari-Perez*).	Salvin-Godman Coll.
h^5, i^5. ♂ ♀ ad. sk. [c. 1·1].	Santa Ana, Jalapa, Oct. (*F. Ferrari-Perez*).	Salvin-Godman Coll.
k^5–p^5. Ad. sk. [c. 1·0–1·1].	Cozumel Island (*G. F. Gaumer*).	Salvin-Godman Coll.
q^5. ♀ ad. sk. [c. 1·0].	Lighthouse Reef, British Honduras, May 20 (*O. Salvin*).	Salvin-Godman Coll.
r^5. ♂ ad. sk. [c. 1·0].	Carranza, Guatemala, March 20 (*O. S.*).	Salvin-Godman Coll.
s^5. Ad. sk. [c. 1·05].	Chiapam, Guatemala (*O. S.*).	Salvin-Godman Coll.
t^5. Ad. sk.	Guatemala (*O. S.*).	Seebohm Coll.
u^5. Ad. sk. [c. 1·05].	Jamaica.	Salvin-Godman Coll.
v^5. Ad. sk. [c. 0·95].	Bindloe Island, Galapagos, Nov. 15 (*Dr. Habel*).	Salvin-Godman Coll.
w^5. Juv. sk. [c. 1·1].	Brazil.	Purchased.
x^5, y^5. ♂ ♀ ad. sk.	Cumana, Sept. 22 (*H. W. Harrison*).	Seebohm Coll.
z^5. ♀ ad. sk. [c. 1·1].	Tambo Valley, Peru, Oct. 28 (*H. Whitely*).	Salvin-Godman Coll.

a^6. ♀ ad. sk.	Tambo Valley, Peru, Oct. 31 (*H. W.*).	Seebohm Coll.
b^6, c^6. Ad. sk. [c. 1·11.	Chili.	Mr. T. Bridges [C.].
d^6. Ad. sk. [c. 1·0].	Chili (*T. Bridges*).	Salvin-Godman Coll.
e^6, f^6, g^6. Ad. sk. [c. 0·95–1·1].	Chili (*E. C. Reed*).	Salvin-Godman Coll.
h^6. Ad. sk.	Chili (*E. C. Reed*).	Seebohm Coll.
i^6, k^6. ♂ ♀ ad. sk. [c. 1·05–1·0].	Coquimbo Bay, Chili, Nov. (*A. H. Markham*).	Salvin-Godman Coll.
l^6. Ad. sk. [c. 1·05].	Talcahuano, Chili, Sept. (*Dr. Coppinger*).	Voy. H.M.S. 'Alert.'
m^6, n^6. Ad. sk. [c. 1·0].	Tambo Point, Patagonia, Jan. 3.	H. Durnford, Esq. [C.].
o^6. Ad. sk.	Isl. of Kauai, Hawaiian Archipelago (*Dr. Knudsen*).	Prof. Collett [P.].
p^6. Skeleton.	England.	Purchased.
q^6. Sternum.	England.	T. Ingall, Esq. [P.].

62. EURHYNORHYNCHUS.

Type.

Eurhynorhynchus, *Nilss. Orn. Suec.* ii. p. 29 (1821).... E. pygmæus.

Range. North-eastern Asia and North-west America, to China and British Burma in winter.

1. Eurhynorhynchus pygmæus.

Platalea pygmæa, *Linn. Syst. Nat.* i. p. 231 (1766); *P. L. S. Müll. Syst. Nat.* ii. p. 303 (1773); *Herm. Tab. Affinat. Anim.* p. 135 (1783); *Gm. Syst. Nat.* i. p. 615 (1788); *Lath. Ind. Orn.* ii. p. 669 (1790); *Thunberg, K. Svensk. Vet.-Akad. Handl. Holm.* 1816, pp. 194–198, pl. vi.; *Stephens, in Shaw's Gen. Zool.* xi. p. 645 (1819); *Lilljeborg, J. f. O.* 1860, p. 299; *Pelz. t. c.* p. 460.

Dwarf Spoon-bill, *Lath. Gen. Syn.* iii. pt. 1, p. 17 (1785); *id. Gen. Hist. B.* ix. p. 7 (1824).

Eurynorhynchus griseus, *Nilss. Orn. Suec.* ii. p. 29 (1821); *Cuv. Règne Anim.* i. p. 528 (1829); *Less. Traité d'Orn.* p. 562 (1831); *Pearson, J. A. S. Beng.* v. p. 127 (1836); *id. Asiat. Res.* xix. p. 69, pl. 9 (1836).

Eurynorhynchus pygmæus, *Boie, Isis*, 1826, p. 979; *Bp. Comp. List B. Eur. & N. Amer.* p. 49 (1838); *Hartl. Rev. Zool.* 1841, p. 5; *id. op. cit.* 1842, pp. 36–38; *Lafr. t. c.* p. 402, pl. 2. fig. 1; *Schl. Rev. Crit.* p. 97 (1844); *Gray, Gen. B.* iii. p. 580, pl. 166. fig. 6 (1845); *Blyth, Cat. B. Mus. As. Soc.* p. 270 (1849; Amherst, Tenasserim); *Reichenb. Grall.* tab. lxvii. figs. 653, 654 (1850); *Bp. C. R.* xliii. p. 506 (1856); *Sel. P. Z. S.* 1859, p. 201 (Coast of N.E. Asia); *Hartl. J. f. O.* 1859, pp. 325, 328; *Jerd. B. Ind.* iii. p. 633 (1864); *Blyth, Ibis*, 1867, p. 169; *Swinh. t. c.* p. 254 (Amoy); *Harting, Ibis*, 1869, p. 427, pl. xii.; *id. P. Z. S.* 1871, p. 111 (Choris Peninsula); *Swinh. t. c.* p. 409 (Amoy); *Gray, Hand-l. B.* iii. p. 51, no. 10823 (1871); *Gould, B. Asia*, vii. pl. 66 (1872); *Swinh. Ibis*, 1873, p. 425 (Shanghai); *id. Ibis*, 1876, p. 455 (Hakodadi); *Armstrong, Str. F.* iv. p. 343 (1876;

Elephant Point): *David & Oust. Ois. Chine.* p. 474 (1877): *Hume, & Davison. Str. F.* vi. p. 462 (1878): Amherst): *Hume, Str. F.* viii. p. 113 (1879): *Ootes. op. cit.* x. p. 240 (1882; Arakan Coast): *id. Handb. B. Brit. Burm.* ii. p. 395 (1883): *Nelson, Cruise R. S. 'Corwin.'* p. 57. cum tab. (1883: Tapkan. June, July; Plover Bay, Bering Sea Coast): *Blakist. Amended List B. Japan*, p. 11 (1884: Yezo and Japan generally): *Bogd. Consp. Av. Imp. Ross.* fasc. i. p. 100 (1884): *A. O. U. Check-list N. Am. B.* p. 152 (1886): *Palmén, Vega-Exped., Fogelf.* p. 326. tab. 4 (1887); *Taez. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 928 (1893).

Eurynorhynchus orientalis. *Blyth. Ann. & Mag. Nat. Hist.* xiii. p. 179 (1844); *Swinh. Ibis*, 1867. p. 234; *A. Newton, t. c.* pp. 235, 236, note.

Tringa pygmæa, *Schl. Mus. Pays-Bas*, Scolopaces, p. 27 (1864); *Seebohm, Geogr. Distr. Charadr.* p. 440 (1888); *id. B. Japan. Emp.* p. 338 (1890).

Adult male in winter plumage. General colour above dark ashy grey, with dusky-brown centres to the feathers: lower back and rump dusky blackish, as well as the central upper tail-coverts and central tail-feathers; sides of rump and lateral upper tail-coverts pure white; tail-feathers light ashy, fringed with white and with a good deal of white on the inner webs, so that the ashy colour forms a dark sub-marginal shade, which becomes darker sub-terminally; wing-coverts dull ashy, with blackish centres and white margins, the marginal coverts darker, and the greater coverts distinctly tipped with white, forming a wing-band; bastard-wing and primary-coverts blackish, the inner ones of the latter series tipped with white; quills ashy brown with white shafts, blackish on the outer web and at the end of the inner web; the secondaries paler ashy, whitish on the inner web, and fringed with white at the ends; the innermost secondaries dark brown; head dark ashy, with blackish centres to the feathers; the hind-neck rather lighter ashy; forehead and eyebrow white; sides of face and entire under surface of body pure white, the ear-coverts narrowly streaked with brown; the sides of the neck also mottled with brown spots, as also the sides of the upper breast; under wing-coverts and axillaries pure white: "bill and feet black; iris dark brown; under surface of lower mandible thickly papillated; tongue, gape, and inside of mouth purplish black, lighter towards the base" (*W. Davison*). Total length 6·5 inches, culmen 0·9, wing 3·8, tail 1·4, tarsus 0·7.

Adult female in winter plumage. Similar to the male. Total length 6·5 inches, wing 4·1.

Adult male in breeding-plumage. Differs from the winter plumage in being rufous, the upper surface being black, with more or less distinct rufous margins to the feathers, broader on the scapulars and inner secondaries, the black markings being sub-terminal: the forehead, eyebrow, sides of face, throat, and fore-neck chestnut, mottled with black spots on the sides of the neck and on the fore-neck, these black spots being also thickly distributed over the

chest and sides of the breast. Total length 6 inches, culmen 0·85, wing 3·95, tail 1·45, tarsus 0·75.

Young. As with most of the Stints, the plumage of the young bird resembles the summer plumage of the adults in being black on the crown and back, with rufescent edges to most of the feathers, and whitish margins to the scapulars and inner secondaries: the hind neck is pale ashy, streaked with dusky brown; eyebrow, fore-neck, sides of face, and under surface of body pure white, the ear-coverts dusky; the fore-neck suffused with pale ochreous buff.

Hab. Eastern Siberia, south in winter to the coasts of China and the Bay of Bengal.

a. Ad. æstiv. sk.	Barrakouta Bay, Siberia (*Henson*).	Seebohm Coll.
b. ♂ ad. æstiv. sk.	Mouth of the Amur River, Aug. 8 (*Dorries*).	Seebohm Coll.
c. ♂; *d*, *e*. ♀ hornot. sk.	Mouth of the Amur River, autumn (*Dorries*).	Seebohm Coll.
f, *g*. Juv. hornot. sk.	Yokohama, Japan.	Seebohm Coll.
h. Juv. hornot. sk.	Hakodadi, Oct. 8 (*Henson*).	Seebohm Coll.
i. ♂ ad. æstiv. sk.	Shanghai, April (*R. Swinhoe*).	Seebohm Coll.
k. Juv. hornot. sk.	Swatow.	Seebohm Coll.
l. ♂ ad. hiem. sk.	Amherst, Tenasserim, Jan. 4 (*W. Davison*).	Hume Coll.
m. ♀ ad. hiem. sk.	Elephant Point, Rangoon, Dec. 1 (*J. Armstrong*).	Hume Coll.
n. ♀ ad. hiem.	Akyab, Nov. 5 (*Capt. Shopland*).	Oates Coll.
o. ♀ ad. hiem.	Naaf River, Pegu, Jan. 17.	Oates Coll.
p. Skeleton.	Vladivostock, E. Siberia.	F. Hook, Esq. [P.]

63. LIMONITES.

Type.

Limonites, *Kaup, Naturl. Syst.* p. 37 (1829) ..... L. temminckii.
Actodromas, *Kaup, Naturl. Syst.* p. 55 (1829)..... L. minuta.

Range. Breeding in the Northern portions of both Hemispheres, migrating south in winter.

Key to the Species.

a. Outer tail-feathers pale smoky or ashy brown.
  a'. Feet blackish; middle toe and claw not exceeding 0·75 inch.
    a''. Size larger; centre of fore-neck and chest pure white like the abdomen (winter plumage).
      a'''. Tarsus slightly longer, 0·8 inch; sides of face and throat slightly rufescent in summer plumage; rufous colour pre-

dominating over the black on the upper surface ..... *minuta*, p. 538.

b''. Tarsus shorter, 0·75 inch; entire throat and chest bright rufous in summer plumage, the rufous colour predominating over the black on the upper surface ..... *ruficollis*, p. 545.

b'''. Size smaller; centre of the fore-neck and chest ashy with dark shaft-streaks, forming more or less of a pectoral band (winter plumage); black predominating over the rufous in summer plumage ..... *minutilla*, p. 548.

b'. Feet olive-brown; middle toe and claw 0·9 inch ..... *damacensis*, p. 553.

b. Outer tail-feathers pure white ..... *temminckii*, p. 555.

1. Limonites minuta.

Tringa pusilla (*nec Linn.*), *Meyer u. Wolf, Taschenb.* ii. p. 391 (1810); *Roux, Orn. Prov.* pl. 289 (1825).

Tringa minuta, *Leisl. in Bechst. Naturg. Deutschl.* Nachtr. i. p. 74 (1812); *Temm. Man. d'Orn.* 1815, p. 403, 1820, ii. p. 624; *Boie, Isis*, 1822, p. 561; *Werner, Atlas, Gralles*, pl. 16 (1827); *Naum. Vög. Deutschl.* vii. taf. 184 (1834); *Gould, B. Eur.* iv. pl. 332 (1837); *Crespon, Orn. Gard*, p. 416 (1840); *Keys. u. Blas. Wirb. Eur.* pp. lxxvii, 215 (1840); *Nordm. in Démid. Voy. Russ. Mérid.* iii. p. 238 (1840: Bessarabia, Crimea); *Selys Longch. Faune Belge*, p. 125 (1842); *Mühle, Orn. Griechenl.* p. 106 (1844); *Schl. Rev. Crit.* p. xc (1844); *Hodgs. Icon. ined. in Brit. Mus., Grall.* pl. 94, nos. 751, 752; *id. in Gray's Zool. Misc.* p. 86 (1844); *Gray, Gen. B.* iii. p. 579 (1845); *Thomps. B. Irel.* ii. p. 298 (1850: autumn); *Midd. Reis. Sibir., Zool.* p. 221 (1851: Taimyr River, 70°, June 17, breeding; Boganida River, June 6); *Macgill. Hist. Brit. B.* iv. p. 227 (1852); *Kjærb. Orn. Dan. Suppl.* pl. 16. fig. 5 (1852); *Schl. Vog. Nederl.* pl. 233 (1854); *Heugl. Syst. Uebers.* p. 63 (1856); *Hartl. Orn. West-Afr.* p. 238 (1857: Gambia, Gaboon); *Jaub. & Barth.-Lapomm. Rich. Orn.* p. 468 (1859); *Schrenck, Reis. Amurl.* p. 423 (1859: Amoor-land); *Powys, Ibis*, 1860, p. 343 (Ionian Isl.); *Linderm. Vög. Griechenl.* p. 144 (1860); *Schl. Dier. Nederl.* pl. 24. figs. 7, 8, 8 *a* (1861); *Irby, Ibis*, 1861, p. 241 (Oudh); *Gray, Cat. Brit. B.* p. 169 (1863); *Schl. Mus. Pays-Bas*, Scolopaces, p. 43 (1864); *Jerd. B. Ind.* iii. p. 690 (1864); *Wright, Ibis*, 1864, p. 148 (Malta, spring); *Sperling, t. c.* p. 287 (Missolonghi); *Gurney, t. c.* p. 272; *Drake, Ibis*, 1867, p. 429 (Tangier); *Gurney, Ibis*, 1868, p. 469 (Transvaal); *Drake, t. c.* p. 184 (Laraiche); *E. Newton, t. c.* pp. 342, 359 (Seychelles); *Layard, B. S. Afr.* p. 331 (1867); *Borggr. Vogelf. Norddeutschl.* p. 118 (1869); *Blanf. Geol. & Zool. Abyss.* p. 433 (1870: Zoulla); *Finsch & Hartl. Vög. Ostafr.* p. 764 (1870); *Wyatt, Ibis*, 1870, p. 17 (Sinai Peninsula); *Elwes & Buckley, t. c.* p. 331 (Bosphorus); *Gray, Hand-l. B.* iii. p. 50, no. 10311 (1871); *R. Gray, B. W. Scotl.* p. 320 (1871); *Sharpe & Dresser, B. Eur.* viii. p. 29, pl. 549. fig. 1 (æstiv.), pl. 550. fig. 1 (pull.), 551. fig. 1 (juv.), 552. fig. 1 (hiem.); *Harting, Handb. Brit. B.* p. 49 (1872); *Heugl. Ibis*, 1872, p. 63 (Novaya Zemlya, breeding); *Gurney in Anderss. B. Dam.-Ld.* p. 310 (1872: Oct. to April);

Shelley, B. Egypt, p. 251 (1872); *id. & Buckley, Ibis*, 1872. p. 293 (Gold Coast); *Hartl. & Finsch, P. Z. S.* 1872, pp. 89, 106 (Pelew Is.); *Holdsw. t. c.* p. 474 (Ceylon); *Alst. & Harvie Brown, Ibis*, 1873, p. 69 (Archangel); *Brooke, t. c.* p. 239 (Sardinia, winter); *Hume, Str. F.* i. p. 242 (1873: Sind); *Adam, t. c.* p. 390 (Sambhur, May); *Severtz. Turkest. Jevotn.* p. 69 (1873, on passage); *Heugl. Orn. N.O.-Afr.* ii. pt. i. p. 1189 (1873: Red Sea; Gulf of Aden; Nile to 12° N. lat.); *Bull, Str. F.* ii. p. 431 (1874: Chota Nagpur); *Wright, Ibis*, 1874, p. 237 (Malta, May); *Stoliczka, Str. F.* iii. p. 220 (1875: Kashgar, winter); *Irby, B. Gibr.* p. 172 (1875: on passage); *Fallon, Ois. Belge*, p. 170 (1875); *Shelley, Ibis*, 1875, p. 86 (Cape, winter); *Dunf. & Harvie-Brown, t. c.* p. 422 (Transylvania); *Seeb. & Harvie-Brown, Ibis*, 1876, p. 294, pl. vii. (Petchora R., breeding); *Dresser, t. c.* p. 410; *Butler, Str. F.* iv. p. 17 (1876); *Scully, t. c.* p. 187 (1876: Kashgar, Oct.); *Sharpe & Bouvier, Bull. Soc. Zool. France*, i. p. 53 (1876: Chinconxo, March); *Blanf. East. Persia*, ii. p. 283 (1876: Gwadar: Shiraz); *Butler, Str. F.* v. p. 233 (1877: Deesa, Aug. to March), p. 236 (Karachi); *Tacz. Bull. Soc. Zool. France*, ii. p. 157 (1877: Poland); *Hartl. Voy. Madag.* p. 330 (1877); *Hume & Davison, Str. F.* vi. p. 461 (1878); *Davidson & Wenden, op. cit.* vii. p. 89 (1878: Deccan); *Hume, t. c.* p. 228 (Raipur), p. 487 (Calcutta); *Ayres, Ibis*, 1878, p. 301 (Transvaal, Oct.-April); *Bogd. B. Cauc.* p. 150 (1879); *Hume, Str. F.* viii. p. 113 (1879); *Butler, Cat. B. Sind etc.* p. 63 (1879); *Finsch, Verh. z.-b. Ges. Wien*, xxix. p. 251 (1879: Tundra of Podorata R., Aug.: Ob R., Aug., Sept.); *Seebohm, Ibis*, 1879, p. 150 (Yen-e-sai, 71½° N. lat.: breeding); *Legge, B. Ceylon*, p. 884 (1880); *Butler, Cat. B. S. Bomb. Pres.* p. 77 (1880); *Vidal, Str. F.* ix. p. 85 (1880: Ratnagiri); *Ayres, Ibis*, 1880, p. 298 (Orange Free State); *Biddulph, Ibis*, 1881, pp. 103, 288; *Scully, t. c.* p. 588 (Gilgit); *Reid, Str. F.* x. p. 70 (1881); *Bocage, Orn. Angola*, p. 471 (1881); *C. Swinh. Ibis*, 1882, p. 121 (Candahar: Chaman); *Seebohm, t. c.* p. 224 (Astrachan, on passage), p. 381 (Archangel, breeding); *Davidson, Str. F.* x. p. 321 (1882: Western Khandeish); *Milne-Edwards & Grandid. Hist. Nat. Madag., Ois.* p. 626 (1882); *B. O. U. List Brit. B.* p. 169 (1883); *Seeb. Ibis*, 1883, p. 30 (Caucasus, on passage); *Severtz. t. c.* p. 75 (Pamir, Aug.); *Oates, Handb. B. Brit. Burm.* ii. p. 389 (1883); *Booth, Rough Notes*, ii. pl. 25 (1883); *Saunders, ed. Yarr. Brit. B* iii. p. 388 (1883); *Hume, Str. F.* x. p. 414 (1883: Wynaad); *Murray, Vertebr. Faun. Sind*, p. 251 (1884); *Tristr. Faun. & Flor. Palest.* p. 133 (1884: Dead Sea, Feb.; Syrian Coast); *Bogd. Consp. Ar. Imp. Ross.* p. 93 (1884); *Radde, Orn. Cauc.* p. 430 (1884: Caspian Sea, Lenkoran); *Salvad. Ann. Mus. Genov.* (2) i. p. 223 (1884: Shoa, Nov., May); *Sharpe, ed. Layard's B. S. Afr.* p. 681 (1884: Orange R., East London); *Seeb. Hist. Brit. B.* iii. p. 204, pl. 31. figs. 10-12 (1885); *Whitehead, Ibis*, 1885, p. 42 (Corsica, May); *Swinhoe & Barnes, t. c.* p. 134 (Mhow distr., winter); *Zarudn. Ois. Transc.* p. 70 (1885); *Ayres, Ibis*, 1885, p. 348 (Potchefstroom); *Pleske, Vebers. Samy. u. Voy. Kola-Halbins.* p. 345 (1886); *Hartert, J. f. O.* 1886, p. 398 (Raro, R. Niger); *Matschie, op. cit.* 1887, p. 138 (Karema); *Tait, Ibis*, 1887, p. 380 (Portugal); *Tacz. P. Z. S.* 1887, p. 610 (Corea), 1888, p. 468; *Shelley, Ibis*, 1888, p. 308 (Jipi); *Seeb. t. c.* p. 348 (Great Liakoff Isl., breeding); *id. Geogr. Distr. Charadr.* p. 435 (1888); *Pleske, Mém. Acad. Imp. St. Pétersb.* (7) xxxvi. p. 63 (1888: Iakander Kul, Aug.); *Reichen. Syst. Vers. Vög.*

Deutschl. p. 48 (1889); *St. John, Ibis*, 1889, p. 177 (S. Afghanistan); *Lilford, t. c.* p. 340 (Cyprus); *Saunders, Man. Brit. B.* p. 571 (1889); *Brusina, Motr. (Orn. Croatica) etc.* p. 88 (1890); *Buckley & Harvie-Brown, Vertebr. Faun. Orkney Isl.* p. 216 (1891); *Hartert, Kat. Vogelsamml. Senckenb. Mus.* p. 221 (1891: Pillau, E. Prussia); *Madarász, Erläut. Ausst. Ungar. Vogelf.* p. 110 (1891: Veleneze Lake); *Gätke, Vogelw. Helgol.* p. 521 (1891); *Frivaldsky, Av. Hung.* p. 146 (1891); *Sharpe, Sci. Res. 2nd Yark. Miss., Aves*, p. 143 (1891: Yarkand, Nov.); *Lilford, Col. Fig. Brit. B.* pt. xix. (1891); *Seebohm, Ibis*, 1892, p. 25 (Heligoland); *Hartert, t. c.* p. 515 (East Prussia); *Koenig, J. f. O.* 1892, p. 91 (Tunis); *Barnes, Ibis*, 1893, pp. 171, 181 (Aden); *Meade-Waldo, t. c.* p. 205 (Canary Isl.); *Reiser, Ornis Balcanica*, p. 168 (1894); *Reichen. Vög. deutsch-Ost-Afr.* p. 41 (1894: Tanganyika, winter); *Pearson & Bidwell, Ibis*, 1894, p. 235 (N. Norway); *Shelley, t. c.* p. 475 (Nyasaland); *Coues, Auk*, xii. p. 339 (1895); *A. Newton, Nature*, vol. 52, p. 438 (1895); *Eagle-Clarke, Ibis*, 1895, p. 207.

Tringa temmincki (*nec Leisl.*), *Koch, Syst. Baier. Zool.* i. p. 292 (1816); *Finsch, Ibis*, 1877, p. 59 (*teste O. F.*).

Pelidna minuta, *Steph. in Shaw's Gen. Zool.* xii. pt. i. p. 105 (1824); *Boie, Isis*, 1826, p. 979.

Calidris minuta, *Cuvier, Règne Anim.* i. p. 526 (1829).

Actodromas minuta, *Kaup, Natürl. Syst.* p. 55 (1829); *Bp. C. R.* xliii. p. 596 (1856); *Gigl. Ibis*, 1865, p. 61 (Pisa); *Loche, Expl. Sci. Algér., Ois.* ii. p. 313 (1867); *Salvad. Faun. Ital., Ucc.* p. 317 (1871); *Saunders, Ibis*, 1871, p. 388 (S. Spain); *Gould, B. Gt. Brit.* iv. pl. 72 (1873); *Salvad. Elenc. Ucc. Ital.* p. 220 (1886); *Gigl. Avif. Ital.* p. 387 (1886); *id. op. cit. 1st Resoc.* i. p. 589 (1889), ii. p. 643 (1890), iii. p. 507 (1891); *Koenig, J. f. O.* 1890, p. 314 (Tenerife); *Heine & Reichen. Nomencl. Mus. Hein.* p. 329 (1890); *Koenig, J. f. O.* 1890, p. 456 (Madeira); *Fatio & Studer, Cat. distr. Ois. Suisse*, p. 50 (1890).

Pelidna minuta, *Brehm, Vög. Deutschl.* p. 665 (1831); *Bp. Comp. List B. Eur. & N. Amer.* p. 50 (1838); *Strickl. & Scl. Contr. Orn.* 1852, p. 159 (Damara-land); *Filippi, Viagg. Pers.* p. 351 (1865); *Degl. & Gerbe, Orn. Eur.* ii. p. 203 (1867); *Doderl. Avif. Sicil.* p. 190 (1869); *Fritsch, Vög. Eur.* tab. 39. figs. 1, 9 (1870).

Pelidna pusilla (*nec L.*), *Brehm, Vög. Deutschl.* p. 666 (1831).

The Little Stint, *Yarrell, Brit. B.* ii. p. 643 (1843).

Schœniclus minuta, *Gray, List Grall. Brit. Mus.* p. 106 (1844); *id. Cat. Mamm. &c. Nepal pres. Hodgs.* p. 140 (1846).

Tringa damacensis (*nec Horsf.*), *Tacz. Bull. Soc. Zool. France*, i. p. 253 (1876: Kultuk, Darasun).

Tringa minuta orientalis, *Tacz. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 918 (1893).

Adult in winter plumage. General colour above ashy brown, slightly darker along the shafts; lower back, rump, and upper tail-coverts blackish brown; sides of lower back and lateral upper tail-coverts pure white; tail-feathers light smoky brown, the long central ones dark brown, with a very narrow whitish fringe; wing-coverts rather darker brown than the back, with ashy fringes to the median series, the greater coverts tipped with white, forming a wing-band; bastard-wing and primary-coverts blackish brown, edged with white at the tips; quills dark brown, with white shafts, a few of the inner primaries also edged with white near the

base; the secondaries dark brown, fringed with white at the tip, and having the base of the inner webs white, forming a continuous band with the one on the greater coverts; the long inner secondaries light brown like the scapulars, with the shafts blackish brown; crown of the head brown like the back, with darker brown centres to the feathers; forehead and supra-loral region pure white; lores dusky brown; ear-coverts and feathers below the eye light brown, with narrow streaks of dark brown; above the ear-coverts a streak of white, lined with brown, forming an indistinct eyebrow; cheeks, throat, and under surface of body pure white or slightly ashy on the throat and fore-neck; sides of neck and of upper breast brown, with slightly darker centres or shaft-streaks; under wing-coverts and axillaries white; the coverts round the edge of the wing dark brown, with white margins; lower primary-coverts dull ashy brown, forming an inconspicuous wing-patch; "bill, feet, and claws black; iris hazel" (*H. Seebohm*). Total length 5·2 inches, culmen 0·7, wing 3·8, tail 1·6, tarsus 0·8, middle toe and claw 0·7

Adult male in summer plumage. Much more rufous than in winter, the whole of the feathers of the upper surface being sandy rufous, with black centres and white margins to many of the scapulars and feathers of the back; head rufous, with black centres to the feathers; the neck also rufous, streaked with dusky blackish, these streaks being smaller and less distinct on the sides of the face, which are also rufous; a slight indication of a whitish eyebrow; under surface of body white, tinged with rufous on the throat, the chest pervaded with ashy, and both the throat, fore-neck, and sides of breast mottled with dusky spots in the centre of the feathers. Total length 6 inches, culmen 0·75, wing 3·8, tail 1·4, tarsus 0·8.

Adult female in summer plumage. Similar to the male, but somewhat less distinctly spotted on the breast. Total length 6 inches, culmen 0·7, wing 3·85, tail 1·45, tarsus 0·8.

Young. Blackish above, with rufous edgings to the feathers, and thus somewhat resembling the summer plumage of the adults, but they may always be distinguished by the more numerous white edgings to the dorsal and scapular feathers, by the ashy colour of the hind-neck, by the absence of spots on the fore-neck and chest, both of which are tinged with isabelline buff.

Nestling. Mottled with rufous and black down, the tips of which are silvery white or sandy buff; the hind-neck sandy buff, forming a collar; the crown of the head black, slightly mottled with rufous and dotted with silvery white, the black extending in a line on the forehead, which is buff, continued into a somewhat broad eyebrow; a black loral line and a black spot on each side of the hinder crown as well as on the ear-coverts; under surface of body whitish, with a tinge of sandy buff on the lower throat.

Hab. Nesting in Northern Europe and Siberia, occurring to the eastward as far as Lake Baikal. Wintering in Africa, the Indian Peninsula and Ceylon.

a. Ad. st.	Northumberland.	J. E. Harting, Esq. [P.].
b. Juv. sk.	Cambridgeshire.	Purchased.
c. ♂ ad.; *d*. ♀ juv. sk.	Great Yarmouth, June, Sept.	Seebohm Coll.
e. ♂ ad. sk.	Aldeburgh, Suffolk, Sept. (*J. E. Harting*).	Seebohm Coll.
f. Juv. st.	Epping, Essex.	H. Doubleday, Esq. [P.].
g. Juv. st.	Kingsbury Reservoir, Oct. (*J. E. H.*).	Harting Coll.
h, *i*. ♂ ♀ ad.; *k*, *l*. ♂ ♀ juv. sk.	Kingsbury Reservoir, June, Sept. (*J. E. H.*).	Seebohm Coll.
m. ♂ ad. sk.	Romney, Kent, Sept. 5.	R. B. Sharpe, Esq. [P.].
n. Ad. st.	Pagham Harbour, Sussex (*J. E. H.*).	Harting Coll.
o. ♂ juv. sk.	Pagham Harbour, Sept. 4.	R. B. Sharpe, Esq. [P.].
p, *q*, *r*. ♂ juv.; *s*, *t*. ♀ juv. sk.	Pagham Harbour, Sept. (*J. E. H.*).	Seebohm Coll.
u. ♀ juv. sk.	Christchurch, Hants, Sept.	E. Hart, Esq. [P.].
v. Ad. sk.	Somersetshire.	Old Coll.
w. ♂ juv. sk.	Holland.	Seebohm Coll.
y–*b'*. Juv. sk.	Heligoland, Sept., Oct.	F. Nicholson, Esq. [P.].
c'. ♀ juv. sk.	Heligoland, Oct. 2 (*R. B. S.*).	Seebohm Coll.
d', *e'*. Juv. sk.	Heligoland, Sept. 26 (*H. S.*).	Seebohm Coll.
f'. Juv. sk	Stockholm (*C. J. Sundevall*).	Hume Coll.
g'. Juv. sk.	Archangel.	Gould Coll.
h'. ♀ ad. sk.	Archangel.	Seebohm Coll.
i'–*l'*. ♂ ad.; *m'*–*q'*. ♀ ad.; *r'*. Pull. sk.	Lower Petchora River, July (*H. Seebohm and J. A. Harvie-Brown*).	Seebohm Coll.
s'–*u'*. Ad. et juv. sk.	Hungary.	Hungarian National Museum [P.].
v'. ♂ ad. sk.	Barcelona, Spain, May (*H. E. Dresser*).	Seebohm Coll.
w'. ♀ juv. sk.	Malta, May 7 (*A. Leith Adams*).	Gould Coll.
x'. ♂ juv. sk.	Tula, Russia, Aug. 20 (*Menzbier*).	Seebohm Coll.
y'. ♂ ad. sk.	Dobritz, Dalmatia.	Seebohm Coll.
z', *a''*. Ad. sk.	Senegambia.	Governor Rendall [P.].
b''. Ad. sk.	Dakar, Senegal (*L. Laglaize*).	Seebohm Coll.
c'', *d''*. Ad. sk.	Fantee.	Sharpe Coll.
e''. ♂ ad. sk.	**Walvisch Bay, Nov. 26 (*C. J. Andersson*).**	**Tweeddale Coll.**
f'', *g''*. ♂ ♀ ad. sk.	Walvisch Bay, Jan. 2 (*C.J.A.*).	Seebohm Coll.
h''. ♀ ad. sk.	Otjimbinque, Damaraland, Dec. (*C. J. A.*).	Seebohm Coll.
i''. Ad. sk.	Ondonga, Damaraland, Oct. (*C. J. A.*).	Seebohm Coll.
k''. Ad. st.	South Africa.	Sir A. Smith.
l''. Ad. sk.	South Africa.	Sir A. Smith.
m''–*o''*. Ad. sk.	Cape Town (*Layard*).	Seebohm Coll.

p''. Ad. ak.	Cape Town, Feb. 9 (*G. E. Shelley*).	Seebohm Coll.
q'', *r''*. ♂ ♀ ad. ak.	Rinoster River, Orange Free State, May 3 (*T. Ayres*).	Gurney Coll.
s''. ♂ ad. ak.	Newcastle, Natal, Oct. 12.	Captain Savile Reid [C.].
t''. ♀ ad. ak.	Transvaal (*T. Ayres*).	Tweeddale Coll.
u''. ♀ ad. ak.	Transvaal ((*T. Ayres*).	Sharpe Coll.
v''. ♀ ad. ak.	Transvaal (*T. Ayres*).	Gurney Coll.
w''. ♂ ad. ak.	Potchefstroom, April (*T. Ayres*).	Gurney Coll.
x''. ♀ ad. ak.	Lake Shirwa, Nyasaland, May 1 (*A. Whyte*).	Sir H. H. Johnston [P.].
y''. ♂ ad. ak.	Palombi River, Nyasaland, April (*A. Whyte*).	Sir H. H. Johnston [P.].
z'', *a*³. ♂ ad.; *b*³. ♀ ad. ak.	Lamu, E. Africa.	F. J. Jackson, Esq. [P.].
*c*³. ♂ ad. ak.	Lado, Equatorial Africa, Feb. 16 (*Emin Pasha*).	Seebohm Coll.
*d*³. Ad. ak.	Zoulla, Annesley Bay, Abyssinia, Jan. 23.	W. T. Blanford, Esq. [C.].
*e*³. ♂ ad.; *f*³, *g*³. ♀ ad. ak.	Egypt, Feb. 3, May 8 (*G. E. Shelley*).	Seebohm Coll.
*h*³. Ad. ak.	Fayoum, June 5 (*J. H. Gurney*).	Gurney Coll.!
*i*³. ♀ ad. ak.	Safieh, Palestine (*H. B. T.*).	Canon Tristram [C.].
*k*³. ♀ juv. ak.	Ismid, Asia Minor, Sept. 17 (*T. Robson*).	Seebohm Coll.
*l*³. ♀ juv. ak.	Ismid, Sept. (*T. Robson*).	Tweeddale Coll.
*m*³. Juv. ak.	Trebizond, Asia Minor, Aug. 3 (*Dickson & Rose*).	Gould Coll.
*n*³. Ad. ak.	Persia.	Seebohm Coll.
*o*³. ♂ ad.; *p*³, *q*³. ♀ ad. ak.	Valley of the Yen-e-sei, July 22 (*H. S.*)	Seebohm Coll.
*r*³. Ad.; *s*³-*v*³. Juv. ak.	Lake Baikal, May, Sept. (*Dybowski*).	Seebohm Coll.
*w*³. Ad. ak.	Kultuk, Southern Lake Baikal, Sept. 6 (*Dybowski*).	Seebohm Coll.
*x*³. ♂ juv. ak.	Tundra of the Podarata, Aug. 2 (*Dr. O. Finsch*).	Geogr. Soc. Bremen.
*y*³. ♀ juv. ak.	Tampimpram, River Ob, Sept. (*Dr. O. Finsch*).	Geogr. Soc. Bremen.
*z*³. Ad. ak.	Yarkand, Nov. 28.	Dr. F. Stoliczka [C.].
*a*⁴. Ad. ak.	Kashgar (*Dr. Bellew*).	India Museum.
*b*⁴. Ad. ak.	Afghanistan (*Griffith*).	India Museum.
*c*⁴. Juv. ak.	Candahar, Sept. 14 (*Sir O. St. John*).	Hume Coll.
*d*⁴. ♀ juv. ak.	Candahar, April 5.	Colonel Swinhoe [P.].
*e*⁴. ♂ ad. ak.	Chaman, April 7.	Colonel Swinhoe [P.].
*f*⁴. ♀ ad. ak.	Mekran Coast, Feb. 15 (*A. O. H.*).	Hume Coll.
*g*⁴. ♀ ad. ak.	Karachi, Sind, Jan. 9 (*W. T. Blanford*).	Seebohm Coll.
*h*⁴, *i*⁴. ♂ ad.; *k*⁴. ♀ juv. ak.	Karachi, Aug. to Oct. (*E. A. Butler*).	Hume Coll.

l^4, m^4. ♂ ad.; n^4. ♀ ad. sk.	Karachi, Feb. (*A. O. H.*).	Hume Coll.
o^4–r^4. ♂ ad. sk.	Kussmore, River Indus, Dec. (*A. O. H.*).	Hume Coll.
s^4–d^5. ♂ ad. et juv.; e^5–m^5. ♀ ad. et juv. sk.	Sambhur, Dec., Jan., May, June, Aug., Sept. (*R. M. Adam*).	Hume Coll.
n^5. Ad. sk.	Ajmere, Dec. 18.	Hume Coll.
o^5, p^5. ♂ ad.; q^5. ♀ ad. sk.	Delhi, May (*C. T. Bingham*).	Hume Coll.
r^5. ♂ ad. sk.	Gurgaon Distr., Feb. 22, 1869 (*A. O. H.*).	Hume Coll.
s^5–c^6. ♂ ad.; d^6–i^6. ♀ ad. sk.	Gurgaon Distr., April, May, Sept. (*W. N. Chill*).	Hume Coll.
k^6. Ad. sk.	Sirsa Distr., May 16.	Hume Coll.
l^6. ♂ ad.; m^6, n^6. ♂ ♀ juv. sk.	Gilgit, Aug. to Oct.	Colonel Biddulph [C.].
o^6, p^6. ♂ juv. sk.	Gilgit, Sept., Oct.	Dr. J. Scully [P.].
q^6. ♂ ad. sk.	Gilgit, Oct. (*Dr. J. Scully*).	Seebohm Coll.
r^6–y^6. Ad. et juv. sk.	Etawah, Sept. to Nov. (*W. E. Brooks & A. O. H.*).	Hume Coll.
z^6. ♀ ad. sk.	Cawnpore, Feb. 21 (*W. E. B.*).	Hume Coll.
a^7, b^7. ♂ ad.; c^7–e^7. ♀ ad. sk.	Allahabad, Dec. to Feb., May (*J. Cockburn*).	Hume Coll.
f^7. ♀ ad. sk.	Mogul Serai, Oudh, Feb. 10 (*W. E. Brooks*).	Hume Coll.
g^7–n^7. ♂ ad.; o^7. ♀ ad. sk.	Futtehgurh Distr., March to June (*A. Anderson*).	Hume Coll.
p^7–u^7. ♂ ad.; v^7–z^7. ♀ ad. sk.	Futtegurh Distr., April, May (*A. Anderson*).	Seebohm Coll.
a^8. Ad. sk.	Behar.	Hodgson Coll.
b^8–e^8. Ad. sk.	Nepal.	Hodgson Coll.
f^8, g^8. Ad. sk.	Darjiling.	Seebohm Coll.
h^8. Ad. sk.	Assam.	Gould Coll.
i^8. Ad. sk.	Upper Assam.	R. B. Sharpe, Esq. [P.].
k^8, l^8. Ad. sk.	Dacca.	Hume Coll.
m^8, n^8. Ad. sk.	Calcutta, April 20.	Hume Coll.
o^8–s^8. ♂ ♀ ad. sk.	Calcutta.	Godwin-Austen Coll.
t^8–v^8. Ad. sk.	Raipur.	Hume Coll.
x^8, y^8. ♂ ad.; z^8–d^9. ♀ ad. sk.	Khandeish, Jan., March (*J. Davidson*).	Hume Coll.
e^9. Ad. sk.	Matterhan, Nov.	Hume Coll.
f^9. Juv. sk.	Madras.	Hume Coll.
g^9. Ad. sk.	**Madras.**	**Godwin-Austen Coll.**
h^9. ♀ ad. sk.	S.E. Ceylon, March 19 (*W. V. Legge*).	Seebohm Coll.
i^9. ♀ ad. sk.	S.E. Ceylon, March 18.	Colonel W. V. Legge [P.].
k^9, l^9. ♂ ♀ ad. sk.	N.E. Ceylon, Nov., Dec.	Colonel W. V. Legge [P.].
m^9. Ad. sk.	Ceylon (*H. Nevill*).	Tweeddale Coll.
n^9. Skull.	England.	John Ray, Esq. [P.].
o^9. Sternum.	England.	John Ray, Esq. [P.]
p^9. Sternum.	England.	T. Ingall, Esq. [P.].

2. Limonites ruficollis.

Trynga ruficollis, *Pall. Reis. Russ. Reichs.* iii. p. 700 (1776).
Trynga salina, *Pall. Zoogr. Rosso-Asiat.* ii. p. 190 (1811).
Totanus damacensis, pt., *Horsf. Tr. Linn. Soc.* xiii. p. 192 (1821).
Tringa albescens, *Temm. Pl. Col.* v. pl. 41 (1823: "Oceania"); *Gray, Gen. B.* iii. p. 579 (1845); *Reichenb. Handb., Grall.* tab. lxxiii. fig. 633 (1846); *Gray, P. Z. S.* 1858, p. 197; *id. Cat. B. New Guinea*, pp. 52, 62 (1859); *id. P. Z. S.* 1861, p. 438; *Swinh. Ibis*, 1863, p. 413 (Formosa); *Rosenb. J. f. O.* 1864, p. 135; *Sharpe & Dresser, B. Eur.* viii. p. 33 (1871); *Gray, Hand-l. B.* iii. p. 50, no. 10312 (1871); *Wald. Ibis*, 1873, p. 317 (S. Andaman, Jan.); *Swinh. Ibis*, 1875, p. 455 (Hakodadi); *Sharpe, Ibis*, 1876, p. 52 (Matu, May); *Blakist. & Pryer, Ibis*, 1878, p. 221 (Yezo); *Tweedd. P. Z. S.* 1878, p. 712 (Philippine Is.); *Hume, Str. F.* viii. p. 113 (1879), p. 157 (Tonka; Salangore); *Salvad. Ann. Mus. Genov.* xviii. p. 327 (1882); *id. Orn. Papuasia*, iii. p. 315 (1882: Aru Isl.; Salawati); *Meyer, Sitz. Abhandl. Ges.' Isis' Dresd.* 1884, Abth. i. p. 55 (Sangi); *Guillem. P. Z. S.* 1885, p. 417 (Sandakan Bay); *id. tom. cit.* p. 576 (Weda Isl.); *Blasius, Ornis*, iv. p. 627 (1888; Great Sanghir); *Salvad. Agy. Orn. Papuasia*, iii. p. 201 (1891); *Wiglesw. Abhandl. K. Mus. Dresd.* (1890–91), no. vi. p. 64 (1891); *Styan, Ibis*, 1891, pp. 330, 506 (Lower Yangtse).
Calidris albescens, *Cuv. Règne Anim.* i. p. 526 (1829).
Tringa australis, *Less. Traité*, p. 558 (1831, *ex Cuv. MSS. in Mus. Paris*); *Gray, Hand-l. B.* iii. p. 50, no. 10314 (1871).
Tringa pusilla (*nec L.*), *S. Müll. Verh. Land- en Volkenk.* p. 23 (1839–44: Oetanata).
Schœnicolus albescens, *Gould, B. Austr.* vi. pl. 31 (1848); *Reichenb. Handb., Grall.* tab. cccLxxxvi. figs. 2658–60 (1851); *Macgill. Voy. 'Rattlesnake,'* ii. p. 358 (1852); *Sel. Journ. Proc. Linn. Soc.* ii. p. 170 (1858).
Tringa minuta (*nec L.*), *Midd. Reis. Sibir., Zool.* p. 222 (1851, pt.); *Schrenck. Reis. Amurl.* ii. p. 423 (1859, pt.); *Rosenb. N. T. Nederl. Ind.* xxv. p. 255 (1863); *Hartl. & Finsch, P. Z. S.* 1868, pp. 8, 118, 1872, p. 106 (Pelew Isl.); *iid. Vög. Ostafr.* p. 764 (1870, pt.); *Walden, Trans. Z. S.* viii. p. 97 (1872: Celebes); *Hume, Str. F.* i. p. 315 (1873: Andamans); *id. Str. F.* ii. p. 289 (1874: Andamans; Nicobars, Dec. to June); *id. Str. F.* iii. p. 323 (1875: Mergui); *Rosenb. Reis. naar Geelvinkb.* p. 8 (1875); *Armstr. Str. F.* iv. p. 342 (1876: Elephant Point); *Ramsay, Proc. Linn. Soc. N. S. W.* i. p. 375 (1876: Duke of York Isl.); *Rosenb. Malay. Arch.* pp. 278, 373 (1878–79: Ké Isl.), p. 503; *Salvad. Ann. Mus. Genov.* xiv. p. 606 (1879); *Meyer, Ibis*, 1879, p. 143 (Limbotto, July); *Ramsay, Tweedd. Orn. Works*, p. 196 (1881); *Finsch, Ibis*, 1881, p. 540 (New Britain); *id. Vög. der Südsee*, pp. 5, 23 (1884); *Seebohm, B. Japan. Emp.* p. 327 (1890: Kurile).
Actodromas albescens, *Bp. C. R.* xliii. p. 596 (1856); *Salvad. Ucc. Born.* p. 323 (1874: Sarawak); *Sharpe, Ibis*, 1879, p. 271 (Lumbidan); *Gigl. & Salvad. P. Z. S.* 1887, p. 586 (Olga Bay, Corea). *Heine & Reichen. Nomencl. Mus. Hein.* p. 329 (1890: Australia);
Actodromas australis, *Bp. C. R.* xliii. p. 596 (1856); *Gould, Handb. B. Austr.* ii. p. 257 (1865).
Tringa temminckii (*nec Leisl.*), *Blakist. Ibis*, 1862, p. 330 (N. Japan, Aug.).
Tringa damacensis, *Swinh. Ibis*, 1863, p. 413 (Formosa); *id. P. Z. S.* 1871, p. 400 (coasts of China).

Tringa salina, *Dyb. & Parv. J. f. O.* 1868, p. 337 (Darasun); *Swinh. P. Z. S.* 1871, p. 409; *id. Ibis*, 1873, p. 231 (off Cochin China, May), p. 426 (Shanghai, April); *Blyth & Wald. B. Burm.* p. 156 (1875); *Brügg. Abhandl. nat. Ver. Bremen*, v. p. 463 (1876); *Tacz. Bull. Soc. Zool. France*, i. p. 253 (1876).

Tringa ruficollis, *Walden, Tr. Z. S.* ix. p. 234 (1875: Luzon, Feb.); *David & Oust. Ois. Chine*, p. 472 (1877); *Hume, Str. F.* viii. p. 113 (1879); *Kelham, Ibis*, 1882, p. 17 (Singapore); *Blakist. & Pryer, Tr. As. Soc. Japan*, x. p. 112 (1882); *Oates, Handb. B. Brit. Burm.* ii. p. 390 (1883); *Blakist. Amend. List B. Japan*, p. 37 (1884: Kurile Is.); *Seebohm, Ibis*, 1884, pp. 34, 208 (Kiukiang, Sept.); *Bogd. Consp. Av. Imp. Ross.* p. 93 (1884); *Sharpe, Ibis*, 1884, p. 203 (Palawan); *Palmén, Vega-Exped., Fogelf.* p. 324 (1887); *Hume, Str. F.* xi. p. 323 (1888: Manipur); *Everett, Journ. Str. Branch As. Soc.* 1889, p. 207 (Labuan); *Whitehead, Ibis*, 1890, p. 59 (Palawan, Sept.); *Sharpe, t. c.* p. 143 (Pulo Tega, April); *Steere, List Birds & Mamm. Exped. Philipp.* p. 26 (1890: Palawan); *Campbell, Ibis*, 1892, p. 246 (Corea); *De La Touche, t. c.* p. 499 (Foochow); *Legge, Proc. Austr. Assoc.* 1892, p. 24; *Styan, Ibis*, 1893, p. 437 (Hainan); *Tacz. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 920 (1893).

Tringa (Schœniclus) albescens, *Ramsay, Proc. Linn. Soc. N. S. W.* ii. p. 198 (1877), iv. pp. 92, 101 (1879); *id. Tab. List Austr. B.* p. 20 (1888).

Tringa minutilla (*nec V.*), *Bean, Proc. U.S. Nat. Mus.* v. p. 164 (1882: Plover Bay); *Stejn. Auk*, v. p. 308 (1888).

Tringa minuta ruficollis, *Seeb. Hist. Brit. B.* iii. p. 205 (1885); *id. Geogr. Distr. Charadr.* p. 437 (1888); *Nikolski, Ile de Sakhal.* p. 261.

Actodromas ruficollis, *Stejn. Bull. U.S. Nat. Mus.* no. 29, p. 118 (1885: Senjavin Straits; Bering Isl.); *id. Proc. U.S. Nat. Mus.* x. p. 130 (1887: Commander Isl.).

Adult in winter plumage. Resembles the winter plumage of *L. minuta*, but is distinguished by the whiter fore-neck and chest, and by the slightly shorter tarsus. Total length 5·7 inches, culmen 0·7, wing 3·8, tail 1·65, tarsus 0·75, middle toe and claw 0·7.

Adult male in summer plumage. Much more mottled on the upper surface than in winter, the centres of the feathers being blackish, and the whole of the upper parts overspread with a brighter chestnut colour, with which the feathers are broadly margined; the crown is blackish, washed with rufous and mottled with grey margins; the forehead and eyebrow are shaded with bright rufous, and this colour occupies the whole of the sides of the face, sides of neck, throat and chest, the chin being whitish: "bill and feet black; iris nearly black" (*Dybowski*). Total length 5·3 inches, culmen 0·7, wing 3·85, tail 1·7, tarsus 0·75, middle toe and claw 0·75.

Adult female in summer plumage. Does not differ materially from the male, but is perhaps scarcely so rufous, and retains a little more of the hoary-grey of the winter plumage: "iris brown" (*A. H. Everett*). Total length 5 inches, culmen 0·7, wing 3·9, tail 1·7, tarsus 0·75, middle toe and claw 0·7.

Young. Scarcely distinguishable from the young of *L. minuta*.

Hab. Eastern Siberia to the Commander Islands, south through China and Japan to Burma and the Malayan Archipelago generally, to Australia.

a–*i*. ♂ ad. et juv.; *k*–*n*. ♀ ad. et juv. ak.	Mouth of the Amur River, May, Aug. (*Dörries*).	Seebohm Coll.
o. ♂ ad.; *p*–*s*. ♂ ♀ juv. ak.	Kurile Islands (*Snow*).	Seebohm Coll.
t–*y*. Ad. ak.	Yokohama, Japan (*H. Pryer*).	Seebohm Coll.
z–*c'*. Ad. ak.	Yokohama (*Snow*).	Seebohm Coll.
d'. ♀ juv.; *e'*. ♂ ad. ak.	Hakodadi, May, Sept. (*H. Whitely*).	Tweeddale Coll.
f'–*h'*. Ad. ak.	Hakodadi, Sept. (*H. Whitely*).	Seebohm Coll.
i'. ♀ ad. ak.	South Yezo, Sept. (*Blakiston*).	Tweeddale Coll.
k'. ♀ juv. ak.	Corea.	C. W. Campbell, Esq. [P.].
l'–*z'*. Ad. et imm. ak.	Amoy, April, Nov. (*R. Swinhoe*).	Seebohm Coll.
a'', *b''*. Ad. ak.	Amoy, April 28 (*R. Swinhoe*).	Hume Coll.
c''–*e''*. Ad. ak.	S.W. Formosa (*R. Swinhoe*).	Seebohm Coll.
f''. ♀ ad. ak.	Off Cochin China, May (*R. Swinhoe*).	Seebohm Coll.
g''–*i''*. ♂ ad.; *k''*, *l''*. ♀ ad. ak.	Elephant Point, Burmah, Dec. (*J. Armstrong*).	Hume Coll.
m'', *n''*. ♂ ♀ ad. ak.	Diamond Island, Nov. 21 (*J. Armstrong*).	Hume Coll.
o'', *p''*. ♂ ad. ak.	Lower Pegu, Oct. 14 (*E. W. O.*).	Oates Coll.
q''–*s''*. Ad. ak.	South Andamans, Jan.-March (*R. G. W. R.*).	Tweeddale Coll.
t'', *u''*. ♂ ad.; *v''*–*x''*. ♀ ad. ak.	Port Blair, May 31, June 6 (*R. J. Wimberley*).	Tweeddale & Hume Colls.
y''–*a*[1]. ♂ ad. ak.	Aberdeen, Dec. 26 (*W. Davison*).	Hume Coll.
b[1]. Ad. ak.	Camorta, Nicobars, March 4 (*W. Davison*).	Hume Coll.
c[1]. ♂ ad. ak.	Trinkut, Nicobars, Feb. 23 (*W. Davison*).	Hume Coll.
d[1], *e*[1]. ♀ ad. ak.	Mergui, Tenasserim, Nov. 6 (*W. Davison*).	Hume Coll.
f[1], *g*[1]. ♂ ♀ ad. ak.	Amherst, Dec., Jan. (*W. Davison*).	Hume Coll.
h[1]. ♂ ad. ak.	Wippitan, Dec. 13 (*W. Davison*).	Hume Coll.
i[1]. ♂ ad.; *k*[1], *l*[1]. ♀ ad. ak.	Island of Tonkah, Jan. 22 (*J. Darling*).	Hume Coll.
m[1]–*r*[1]. ♂ ad.; *s*[1]–*v*[1]. ♀ ad. ak.	Selangore, Aug. to March (*W. Davison*).	Hume Coll.
d[1] Juv. ak.	Malacca (*Dr. Cantor*).	India Museum.
e[1]. ♀ ad. ak.	Singapore Island, Dec. 11 (*W. Davison*).	Hume Coll.
f[1]. Ad. ak.	Java (*Dr. Horsfield*).	India Museum. (Type of *Totanus damacensis*, pt.)
g[1]. Juv. ak.	Labuan (*A. H. Everett*).	Seebohm Coll.
h[1] *l*[1]. Ad.; *m*[1]. Juv. ak.	Labuan, Sept., Oct.	A. H. Everett, Esq. [C.].
n[1] *p*[1]. Ad. ak.	Pulo Tiga, April.	A. H. Everett, Esq. [C.].
q[1], *r*[1]. ♂ ♀ ad. ak.	Matu Beach, May 8.	A. H. Everett Esq. [C.].

s^4–u^4. ♂ ad.; v^4. ♀ juv. sk.	Baram, Sarawak, Aug., Sept.	A. H. Everett, Esq. [C.].
w^4–a^5. Ad. et juv. sk.	Baram, Oct.	A. H. Everett, Esq. [C.].
b^5. ♀ ad. sk.	Taguso, Palawan, Sept. 17.	J. Whitehead, Esq. [C.].
c^5, d^5. Ad. sk.	Philippines.	Hugh Cuming, Esq. [C.].
e^5. ♂ ad. sk.	Dumaguete, Negros, March 12.	E. L. Moseley, Esq. [C.].
f^5–k^5. ♂ ad.; l^5, m^5. ♀ ad. sk.	N. Bohol, Oct., Nov. (*A. H. Everett*).	Tweeddale Coll.
n^5. ♂ ad. sk.	Menado, Celebes.	Wallace Coll.
o^5. ♀ ad. sk.	Halmahéra, Nov. 27 (*Dr. Bernstein*).	Salvin-Godman Coll.
p^5. ♀ juv. sk.	Halmahéra, Nov. 24 (*Dr. Bernstein*).	Seebohm Coll.
q^5. ♀ ad. sk.	Morotai (*Dr. Bernstein*).	Seebohm Coll.
r^5. Ad. sk.	Ceram.	Wallace Coll.
s^5. ♀ ad. sk.	Amboina.	Wallace Coll.
t^5, u^5. Ad. sk.	Australia.	Seebohm Coll.
v^5, w^5. Ad. sk.	Cape York.	Seebohm Coll.
x^5. Ad. sk.	Cape York.	Gould Coll.
y^5–a^6. Ad. sk.	Cape York (*J. T. Cockerell*).	Salvin-Godman Coll.
b^6. Ad. sk.	New South Wales.	Hume Coll.
c^6, d^6. Ad. sk.	New South Wales.	Australian Museum.
e^6. Ad. sk.	Tasmania.	Hume Coll.
f^6–i^6. Ad. sk.	South Australia.	Sir G. Grey [P.].
k^6, l^6. Ad. sk.	Gippsland Lakes, Victoria.	Seebohm Coll.
m^6–p^6. Ad. sk.	Melbourne.	Seebohm Coll.
q^6. Ad. sk.	West Australia.	Government of West Australia [P.].
r^6. Ad. sk.	King George's Sound.	Tweeddale Coll.
s^6. ♀ ad. sk.	Troughton Island, N.W. Australia, Aug. 19 (*P.B. Bassett Smith*).	Voy. H.M.S. 'Penguin.'

3. Limonites minutilla.

Tringa pusilla (*nec Linn.*), *Wilson, Amer. Orn.* v. pl. 37. fig. 4 (1812); *Audub. B. Amer.* pl. 320; *Swains. & Rich. Faun. Bor.-Amer., Birds*, p. 386 (1831: Great Bear Lake, May); *Audub. Orn. Biogr.* iv. p. 180 (1838); *id. B. Amer.* v. p. 280, pl. 337 (1842); *Giraud, B. Long Isl.* p. 240 (1844); *Scl. P. Z. S.* 1856, p. 311 (Cordova); *Brewer, Proc. Bost. Soc. Nat. Hist.* vii. p. 308 (1860: Cuba); *Harting, Handb. Brit. B.* p. 143 (1872); *Adams, Ibis*, 1878, p. 439 (Michalaski: breeding).

Tringa minutilla, *Vieill. N. Dict. d'Hist. Nat.* xxxiv. p. 466 (1819); *Gray, Gen. B.* iii. p. 579 (1845); *Schl. Mus. Pays-Bas*, Scolopaces, p. 48 (1864); *Léot. Ois. Trinid.* p. 476 (1866); *Scl. & Salv. P. Z. S.* 1867, p. 591 (Mexiana); *iid. P. Z. S.* 1870, p. 323 (Indefatigable Isl.); *Gray, Hand-l. B.* iii. p. 50, no. 10317 (1871); *Sharpe & Dresser, B. Eur.* viii. p. 51, pl. 552. figs. 2, 3 (1871); *Finsch, Abhandl. nat. Ver. Bremen*, iii. p. 65 (1872: Alaska) *Coues, Key N. Amer. B.* p. 254 (1872); *Layard, Ibis*, 1873, p. 396 (Para); *Scl. & Salv. Nomencl. Av. Neotr.* p. 145 (1873); *iid.*

P. Z. S. 1873, p. 456; *Coues, B. N.-West*, p. 484 (1874); *Tacz. P. Z. S.* 1874, p. 501 (Chorillos, Peru); *Salv. Trans. Zool. Soc.* ix. p. 504 (1875); *Lawr. Bull. U.S. Nat. Mus.* no. 4, p. 47 (1876: Tehuantepec, Oct.); *Tacz. P. Z. S.* 1877, p. 330 (Tumbez); *Reid, Zool.* 1877, p. 476 (Bermuda); *Merrill, Proc. U.S. Nat. Mus.* i. p. 161 (1878: Texas); *Lawr. t. c.* p. 197 (St. Vincent); *Belding, t. c.* p. 441 (Stockton, Cal.); *Maynard, B. East. N. Amer.* p. 380 (1879); *Allen, Bull. Nutt. Orn. Club*, v. p. 169 (1880: Santa Lucia); *Rodd, B. Cornwall*, p. 108 (1880); *A. & E. Newt. Handb. Jamaica*, p. 116 (1881); *B. O. U. List Brit. B.* p. 170 (1883); *Saunders, ed. Yarrell's Brit. B.* iii. p. 396 (1883); *Salv. P. Z. S.* 1883, p. 420 (Esquimalt); *Merriam, Auk*, i. p. 376 (1884: Lake Huron, May); *Seebohm, Hist. Brit. B.* iii. p. 213 (1885); *Merriam, Auk*, ii. p. 376 (1885: Straits of Mackinac); *Tacz. Orn. Pérou*, iii. p. 358 (1886: Santa Lucia, Peru); *A. O. U. Check-l. N. Amer. B.* p. 151 (1886); *Everm. Auk*, iii. p. 91 (1886: Ventura Co.); *Seton, t. c.* p. 151 (Red River, W. Manitoba); *Scott, t. c.* p. 386 (Tucson, Arizona, on passage); *Cory, t. c.* p. 502 (Grand Cayman); *Turner, Contr. N. H. Alaska*, p. 189 (1886); *Palmén, Vega-Exped., Fogelf.* tab. iv. (1887); *Towns. Proc. U.S. Nat. Mus.* x. pp. 198, 235 (1887: N. California); *id. Auk*, iv. p. 12 (1887: Kowak R., Alaska, June); *Nelson, Rep. N. H. Coll. Alaska*, p. 110 (1887); *Ridgw. Man. N. Amer. B.* p. 158 (1887); *Dwight, Auk*, iv. p. 16 (1887: Nova Scotia); *Lloyd, t. c.* p. 186 (W. Texas, on passage); *Scott, t. c.* p. 218 (S. Florida, to May 25); *Cory, t. c.* p. 313 (Bahamas); *Cooke, Bull. U.S. Agric.* No. 2, p. 93 (1888: Mississippi Valley); *Warren, B. Pennsylv.* p. 36 (1888); *Everm. Auk*, v. p. 349 (1888: Indiana); *Merrill, t. c.* p. 393 (Oregon, July); *Saunders, Man. Brit. B.* p. 573 (1889); *Ridgw. Proc. U.S. Nat. Mus.* xii. pp. 120, 123, 127 (1889: Indefatigable Isl.); *Bishop, Auk*, vi. p. 146 (1889: Magdalen Isl., July); *Scott, t. c.* p. 157 (Gulf Coast of Florida to April 4); *Jefferies, t. c.* p. 223 (Santa Barbara, Cal.); *Merriam, N. Amer. Fauna*, no. 3, p. 88 (1890: Mts. of Arizona); *Ralph & Bapp, Auk*, vii. p. 230 (1890: Oneida Lake, N. Y., Sept. 13); *Scott, t. c.* p. 308 (Dry Tortugas, April); *Thomps. Proc. U.S. Nat. Mus.* xiii. p. 501 (1890: Manitoba, breeding?); *Macf. Proc. U.S. Nat. Mus.* xiv. p. 427 (1891: Arctic America); *Cory, Auk*, viii. p. 48 (1891: Guadeloupe Aug. to Oct.), p. 351 (Inagua Isl., Bahamas); *Allen, t. c.* p. 164 (Nova Scotia); *Hagerup, B. Greenland*, p. 55 (1891: N. Greenland, occasional); *Scott, Auk*, ix. p. 13 (1892: Jamaica); *Cory, t. c.* pp. 48, 49 (Maraguana & Inagua); *Scott, t. c.* p. 212 (Calosahatchie Region); *Attwater, t. c.* p. 262 (San Antonio, Texas); *Lawrence, t. c.* p. 354 (Gray's Harbour, Washington); *Anthony, t. c.* p. 370 (S. E. New Mexico); *Chapm. Bull. Amer. Mus. Nat. Hist* iv. p. 289 (1892: Casilda, Cuba); *Hartert, Ibis*, 1893, p. 337 (Bonaire); *Allen, Auk*, x. p. 125 (1893); *White, t. c.* p. 223 (Mackinac Isl.); *Richm. Proc. U.S. Nat. Mus.* xvi. p. 520 (1893: Rio Frio, Escondido, Costa Rica); *Tacz. Mem. Acad. Imp. Sci. St Petersb.* (7) xxxix. p. 102 (1893); *Field, Auk*, xi. p. 122 (1894: Port Henderson, Jamaica); *Richm. & Knowl. t. c.* p. 301 (Fort Ellis, Montana); *Chapman, Bull. Amer. Mus.* vi. p. 77 (1894: Monega, Trinidad); *A. O. U. Check-list N. Amer. B.* p. 89 (1895); *Thorne, Auk*, xii. p. 213 (1895: Fort Keogh, Montana); *Dunn, t. c.* p. 304 (N.E. Illinois).

Tringa wilsoni, *Nutt. Man.* ii. p. 121 (1834); *Cass. in. B. N. Amer.*

p. 721 (1858); *Bryant, Proc. Bost. Soc. Nat. Hist.* vii. p. 121 (1859: Bahamas, April); *Cass. Proc. Philad. Acad.* 1860, p. 196 (Cartagena); *Scl. P. Z. S.* 1860, p. 196 (Cartagena); *id. P. Z. S.* 1861, p. 80 (Jamaica); *Lawr. Ann. Lyc. N. Y.* 1861, p. 334 (Panama); *Scl. P. Z. S.* 1864, p. 178 (City of Mexico); *Dresser, Ibis*, 1866, p. 37 (Texas); *Brown, Ibis*, 1868, p. 425 (Vancouver); *Pelz. Orn. Bras.* p. 311 (1871: Cuyaba, April).

Pelidna pusilla (*nec. Linn.*), *Bp. Comp. List B. Eur. & N. Amer.* p. 50 (1838); *Gosse, B. Jamaica*, p. 348 (1847).

Tringa temminckii (*nec Leisl.*), *D'Orb. in Ramon de la Sagra, Hist. Nat. Cuba*, p. 240 (1839).

Pelidna minutilla, *Gould in Darwin's Voy. 'Beagle,'* p. 131 (1841: Galapagos).

Tringa nana, *Licht. Nomencl. Av.* p. 92 (1854); *Burm. Th. Bras.* iii. p. 375 (1856).

Tringa georgica, *Licht. t. c.* p. 92 (1854).

Pelidna nana, *Bp. C. R.* xliii. p. 596 (1856).

Actodromas wilsoni, *Bp. t. c.* p. 596 (1856); *A. & E. Newt. Ibis*, 1859, p. 258 (S. Croix).

Actodromas minutilla, *Coues, Proc. Philad. Acad.* 1861, pp. 191, 230; *March, Proc. Philad. Acad.* 1864, p. 67 (Jamaica; all the year); *Lawr. Ann. Lyc. N. Y.* viii. p. 294 (1866: New Jersey); *id. Ibis*, 1866, p. 269 (Arizona); *A. Newt. P. Z. S.* 1867, p. 165, pl. 15. fig. 3 (egg); *Dall & Bann. Tr. Chicago Acad.* i. p. 292 (1869: Alaska, breeding); *Allen, Mem. Bost. Soc. N. H.* i. p. 501 (1868: W. Iowa, Aug.); *id. Bull. Mus. C. Z.* ii. p. 356 (1871: Florida), iii. p. 182 (1872); *Hensh. Rep. Zool. Expl. 100th Merid.* p. 455 (1875: Utah Lake, July; Apache, Arizona, Aug.); *Gundl. Ann. Soc. Esp. Hist. Nat.* vi. p. 376 (1878: Porto Rico); *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 200 (1880); *Cory, B. Bahamas*, p. 158 (1880); *Coues, Check-l. N. Amer. B.* p. 100 (1882); *Bean, Proc. U.S. Nat. Mus.* v. p. 164 (1882: Alaska); *Nelson, Cruise R. S. 'Corwin,'* p. 88 (1883: Norton Sound); *Belding, Proc. U.S. Nat. Mus.* v. pp. 528, 534 (1883: Lower California); *Stearns, Proc. U.S. Nat. Mus.* vi. p. 119 (1883: Labrador); *Baird, Brewer, & Ridgw. Hist. Water-B. N. Amer.* i. p. 236 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 625 (1884); *Drew, Auk*, ii. p. 18 (1885: Colorado); *Loomis, t. c.* p. 192 (S. Carolina); *Turner, Proc. U.S. Nat. Mus.* vii. p. 247 (1885: Labrador, breeding).

Tringa minuta minutilla, *Seeb. Hist. Brit. B.* iii. p. 205 (1885).

Tringa subminuta minutilla, *Seeb. Geogr. Distr. Charadr.* p. 349 (1888).

Limonites minutillus, *Heine & Reichen. Nomencl. Mus. Hein.* p. 329 (1890).

Adult in winter plumage. Similar to that of *L. minuta*, but the size smaller; further distinguished by the distinct ashy-brown of the fore-neck and chest, which is mottled with dark shaft-streaks and spots. Total length 5 inches, culmen 0·8, wing 3·55, tail 1·6, tarsus 0·75, middle toe and claw 0·75.

Adult male in summer plumage. Similar to *L. minuta*, but much smaller, and blacker on the upper surface, where the rufous is never so strongly characterized as in *L. minuta*; sides of face dusky brown with scarcely any tinge of rufous; lower throat and chest ashy, with strongly marked streaks and spots of blackish brown,

with scarcely any tinge of rufous: "bill black; feet dark olive-brown; iris dark brown" (*H. E. Dresser*). Total length 5·2 inches, culmen 0·8, wing 3·4, tail 1·5, tarsus 0·75, middle toe and claw 0·8.

Adult female in breeding-plumage. Similar to the male: "bill blackish brown; feet light clay-brown; iris dark brown" (*H. E. Dresser*). Total length 5·3 inches, culmen 0·9, wing 3·35, tail 1·4, tarsus 0·7.

Young. Resembles the summer plumage of the adult, being black with rufous margins to the feathers, but is distinguished by the white margins to the feathers of the upper surface, and by the absence of spots on the lower throat and fore-neck, which are tinged with buff.

Hab. North America, south to South America. Accidental in Europe.

a. Ad. sk.	North America.	Old Collection.
b. ♀ ad. sk.	Fort Simpson, May 24.	B. R. Ross, Esq. [P.].
c. ♂ ad. sk.	Repulse Bay.	Dr. Rae [P.].
d–*g*. Juv. sk.	Toronto, Canada (*P. Whitely*).	Seebohm Coll.
h. ♂ ad. sk.	Hamilton, Canada (*K. C. MacIlwraith*).	Seebohm Coll.
i. ♂ ad. sk.	Moose Fort, May 29 (*C. Dressler*).	Salvin-Godman Coll.
k. Ad. sk.	Labrador, July 30 (*E. Coues*).	Salvin-Godman Coll.
l. Ad. sk.	Penguin Island, July 24 (*Hensh. Coll.*).	Salvin-Godman Coll.
m. ♂ ad. sk.	Cambridge, Mass., Aug. (*Hensh. Coll.*).	Salvin-Godman Coll.
n, *o*. Ad. sk.	New Jersey.	J. J. Audubon, Esq. [P.].
p, *q*. Ad. sk.	New Jersey.	Seebohm Coll.
r. Ad. sk.	New Jersey.	Hume Coll.
s. Juv. sk.	New York.	Seebohm Coll.
t. ♀ ad. sk.	Pennsylvania (*Krider*).	Seebohm Coll.
u, *v*. Juv. sk.	Virginia Beach.	Seebohm Coll.
w. Ad. sk.	Lake Borgne, Louisiana, April (*Hensh. Coll.*).	Salvin-Godman Coll.
x. ♂ ad. sk.	Taylor's Co., Florida, Oct. 9 (*W. Horie*: *Hensh. Coll.*).	Salvin-Godman Coll.
y–*y'*. ♂ ad.; *z'*–*c''*. ♀ ad. sk.	Tarpon Springs, Florida, Oct., Jan., May (*W. E. D. Scott*).	Salvin-Godman Coll.
d'', *e''*. Ad. sk.	Bermuda, Oct., Dec.	Capt. Savile Reid [C.].
f''. Ad.; *g''*, *h''*. ♀ ad. sk.	San Antonio, Texas, Sept. 29 (*H. E. Dresser*).	Salvin-Godman Coll.
i''. ♀ ad. sk.	Apache, Arizona, Aug. 28 (*Hensh. Coll.*).	Salvin-Godman Coll.
k''. Ad. sk.	49th Parallel (*G. M. Dawson*).	N. A. Bound. Comm.
l'', *m''*. Ad. sk.	British Columbia.	J. K. Lord, Esq. [C.].
n'', *o''*. Ad. sk.	Straits of Juan de Fuca.	Capt. Kellett & Lieut. Wood.

p''. Juv. sk.	Esquimalt, Vancouver Isl. (*A. H. Markham*).	Salvin-Godman Coll.
q''. ♂ ad. sk.	Oakland, California, Aug. 31 (*Hensh. Coll.*).	Salvin-Godman Coll.
r''. ♂ ad.; s''–y''. ♀ ad. sk.	Santa Barbara, Cal., Sept., Nov. (*Hensh. Coll.*).	Salvin-Godman Coll.
z''. ♀ ad. sk.	Hermosillo, Sonora, Mexico, Nov. 16 (*Ferrari-Perez*).	Salvin-Godman Coll.
a^3, b^3. ♂ ♀ ad. sk.	Rio Urique, Chihuahua, Nov. (*W. Lloyd*).	Salvin-Godman Coll.
c^3. ♀ ad. sk.	Axotla, Tacubaya, Valley of Mexico, March 4 (*Ferrari-Perez*).	Salvin-Godman Coll.
d^3. Ad. sk.	Coajimalpa, Tacubaya, Mar. 11 (*Ferrari-Perez*).	Salvin-Godman Coll.
e^3, f^3. Ad. sk.	Ixtapalapa, Tlalpam, Feb. 24 (*Ferrari-Perez*).	Salvin-Godman Coll.
g^3. ♂ ad. sk.	Atotonilco, Huejotzingo, April 15 (*Ferrari-Perez*).	Salvin-Godman Coll.
h^3. Ad. sk.	Valley of Mexico (*Le Strange*).	Seebohm Coll.
i^3, k^3, l^3. ♂ ad. sk.	Matamoras, July (*H. E. Dresser*).	Salvin-Godman Coll.
m^3–u^3. ♂ ♀ ad. sk.	Tampico, Feb., March (*W. B. Richardson*).	Salvin-Godman Coll.
v^3. ♀ ad. sk.	Zapotlan, Jalisco, Nov. 20 (*W. B. R.*).	Salvin-Godman Coll.
w^3. ♀ ad. sk.	Santana, near Guadalajara, March 13 (*W. Lloyd*).	Salvin-Godman Coll.
x^3. ♂ ad. sk.	Huatusco, State of Vera Cruz (*Ferrari-Perez*).	Salvin-Godman Coll.
y^3. ♀ ad. sk.	Sochiapa, Vera Cruz, Jan. (*M. Trujillo*).	Salvin-Godman Coll.
z^3, a^4. Ad. sk.	Patzcuaro, Jan. (*F. D. Godman*).	Salvin-Godman Coll.
b^4. ♀ ad. sk.	Hacienda de los Atliscos, March (*F. D. G.*).	Salvin-Godman Coll.
c^4. ♂ ad.; d^4, e^4. ♀ ad. sk.	Progreso, Northern Yucatan, Oct. (*G. F. Gaumer*).	Salvin-Godman Coll.
f^4. Ad. sk.	Dueñas, Guatemala (*O. Salvin*).	Salvin-Godman Coll.
g^4. Ad. sk.	Chiapam, Coast of Guatemala (*O. S.*).	Salvin-Godman Coll.
h^4. Ad. sk.	Costa Rica (*Endrès*).	Salvin-Godman Coll.
i^4. Ad. sk.	Panama.	Tweeddale Coll.
k^4. Ad. sk.	St. Vincent, West Indies, Aug. 20 (*D. W. Smith*).	Salvin-Godman Coll.
l^4. ♀ ad. sk.	Grenada, March 31 (*D. W. Smith*).	Salvin-Godman Coll.
m^4. Ad. sk.	Jamaica.	Purchased.
n^4. Ad. sk.	Jamaica.	Seebohm Coll.
o^4, p^4. ♂ ♀ ad. sk.	Agualta Vale, Metcalfe Parish, Jamaica, Jan. 4 (*W. Osborn*).	Salvin-Godman Coll.
q^4, r^4. Ad. sk.	Trinidad.	Gould Coll.
s^4, t^4. Ad. sk.	Cayenne.	Seebohm Coll.

w^4. Ad. sk.	Brasil.	Gould Coll.
v^4. Ad. sk.	Island of Mexiana, Dec. (*A. R. Wallace*).	Salvin-Godman Coll.
w^4. Ad. sk.	Pernambuco (*W. A. Forbes*).	Salvin-Godman Coll.
x^4. Ad. sk.	Bahia.	Salvin-Godman Coll.
y^4. Ad. sk.	Balzar Mts., Ecuador (*Illingworth*).	Salvin-Godman Coll.
z^4, a^5. ♀ ad. sk.	Indefatigable Island, Galapagos, Sept. (*Dr. Habel*).	Salvin-Godman Coll.

4. Limonites damacensis.

Totanus damacensis, *Horsf. Trans. Linn. Soc.* xiii. p. 192 (1821).

Tringa minuta (*nec Leisl.*), *Blyth, Cat. B. Mus. As. Soc.* p. 270 (1849: Calcutta); *Legge, Ibis*, 1874, p. 29 (Ceylon).

Tringa subminuta, *Middend. Reis. Sibir., Zool.* p. 222 (1851: Stanovoi Mts., west slope, May 19; Udà River, June 30); *Schrenck, Reis. Amurl.* p. 424 (1859: S. Amur, July); *Radde, Reis. Sibir., Vög.* p. 333 (1863: Tarei-Nor, May); *Swinh. Ibis*, 1863, p. 97; *Jerd. B. Ind.* iii. p. 691 (1864); *Dybowski & Parvex, J. f. O.* 1868, p. 337 (Darasun); *Tacz. J. f. O.* 1873, p. 103; *id. Bull Soc. Zool. France*, i. p. 253 (1876: S.E. Siberia); *Prjev. in Rowley's Orn. Misc.* iii. p. 90 (1878: S.E. Mongolia); *Legge, B. Ceylon*, p. 889 (1880); *Oates, Handb. B. Brit. Burm.* ii. p. 391 (1883); *Blakist. Amended List B. Japan*, pp. 21, 37 (1884: Kuriles); *Seebohm, Hist. Brit. B.* iii. p. 204 (1885); *Bogd. Consp. Av. Imp. Ross.* p. 92 (1884); *Nikolski, Ile Sukhal.* p. 261 (1886); *Tacz. P. Z. S.* 1888, p. 457 (Corea); *Seebohm, Geogr. Distr. Charadr.* p. 438 (1888); *Sharpe, Ibis*, 1890, pp. 143, 287 (Abai, N. Borneo); *Seeb. B. Japan. Emp.* p. 338 (1890: Hakodadi; Yokohama; Kurile Is.); *Styan, Ibis*, 1891, pp. 330, 506 (Lower Yangtse; migrant); *Hartert, Kat. Vogelsamml. Senckenb. Mus.* p. 221 (1891: Java); *Tacz. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 194 (1893); *Styan, Ibis*, 1894, p. 335 (Shanghai).

Actodromas subminuta, *Bp. C. R.* xliii. p. 596 (1856); *Stejn. Proc. U.S. Nat. Mus.* vi. p. 71 (1883: Commander Isl.).

Tringa salina (*nec Pall.*), *Gray, Hand-l. B.* iii. p. 50, no. 10313 (1871); *Sharpe & Dresser, B. Eur.* viii. p. 33 (*s.* T. minuta) (1871); *Holdsw. P. Z. S.* 1872, p. 474 (Ceylon); *Legge, Str. F.* i. p. 491 (1873); *Blyth & Wald. B. Burm.* p. 156 (1875: Rangoon; Tonghoo).

Tringa damacensis (*nec Horsf.*), *Tacz. J. f. O.* 1873, p. 103 (E. Siberia); *Hume, Str. F.* i. p. 243 (1873); *id. op. cit.* ii. p. 482 (1874: Yea); *id. op. cit.* iii. p. 182 (1875: Pegu); *Swinh. Ibis*, 1875, p. 455 (Hakodadi); *Blakist. & Pryer, Ibis*, 1878, p. 221 (Yezo); *Stejn. Bull. U.S. Nat. Mus.* no. 29, p. 116 (1885: Bering Isl.); *id. Proc. U.S. Nat. Mus.* x. p. 130 (1887: Bering Island, ♀ breeding); *Ridgw. Auk*, iii. p. 275 (1886: Otter Isl., Alaska); *id. Man. N. Am. B.* p. 158 (1887); *Chapm. Auk*, v. p. 394 (1888); *A. O. U. Check-l. N. Amer. B.* p. 89 (1895).

Actodromas salina (*nec Pall.*), *Saivad. Ucc. Born.* p. 324 (1874).

Tringa ruficollis (*nec Pall.*), *Wald. Tr. Z. S.* ix. p. 234 (1875: Luzon, Feb.); *David & Oust. Ois. Chine*, p. 472 (1877, pt.); *Hume & Davison, Str. F.* vi. p. 461 (1878: Thatone; Yea); *Ball, Str. F.*

vii. p. 228 (1878: Ganges and Godaveri); *Hume, Str. F.* vii. p. 487 (1878: Calcutta); *Seebohm, Ibis*, 1879, p. 226; *Hume, Str. F.* viii. pp. 113 (1879), 161 (1879: Tonka); *Blakist. & Pryer, Trans. As. Soc. Japan*, viii. p. 195 (1880).

Actodromas damacensis, *Stejn. Proc. U.S. Nat. Mus.* vi. p. 71 (1883); *id. Bull. U.S. Nat. Mus.* no. 29, p. 116 (1885: Bering Isl.), p. 316 (Kamtchatka).

Adult male in winter plumage. Similar to the winter plumage of *L. minuta* and *L. ruficollis*, but darker than either of them, with the head and back much more thickly spotted with black, and the lower throat and fore-neck very distinctly streaked or mottled with brown. The species can of course be distinguished from both of the above species by its long toes.

Adult male in summer plumage. Almost exactly similar to *L. minuta*, but easily distinguished by the length of the middle toe and the colour of the legs. Total length 5·2 inches, culmen 0·7, wing 3·4, tail 1·4, tarsus 0·8, middle toe and claw 0·9.

Adult female. Similar to the male in plumage: "bill blackish, olive-brown at base of lower jaw; feet greyish yellow, with the joints darker olive; iris dark brown" (*L. Stejneger*).

Hab. E. Siberia and the Kurile Islands, Kamtchatka, Bering Island and the islands off Alaska, ranging south in winter by Japan and China to Eastern Bengal, the Burmese countries, Malacca, and the Indo-Malayan Islands to Australia.

a. ♀ juv. sk.	E. Siberia (*Dybowski*).	Tweeddale Coll.
b. ♂ ad. sk.	Lake Baikal (*Dybowski*).	Tweeddale Coll.
c. ♀ ad. sk.	Amur-land (*Dr. Maack*).	Seebohm Coll.
d. Juv. sk.	Yokohama (*H. Pryer*).	Seebohm Coll.
e. ♂ ad.; *f*, *g*, *h.* ♀ juv. sk.	Hakodadi, Japan, Aug., Sept. (*Henson*).	Seebohm Coll.
i. ♂ ad. sk.	Hakodadi, Aug. (*Blakiston*).	Tweeddale Coll.
k. ♀ juv. sk.	South Yezo, Aug.	Seebohm Coll.
l. Juv. sk.	Nagasaki, Nov. 1.	F. Ringer, Esq. [P.].
m, *n.* Ad. sk.	Shanghai.	Tweeddale Coll.
o. Ad. sk.	Shanghai.	J. Webb, Esq. [P.].
p–*v.* Ad.; *w.* Juv. sk.	Amoy, April, May, Sept. (*R. Swinhoe*).	Seebohm Coll.
x. Ad. sk.	Canton (*Bligh*).	Seebohm Coll.
y. ♂ ad. sk.	Tonghoo, Burmah, Nov. 12 (*R. G. W. R.*).	Tweeddale Coll.
z, *a'*. ♂ ad. sk.	Rangoon, Sept. (*R. G. W. R.*).	Tweeddale Coll.
b'. ♂ ad.; *c'*, *d'*, *e'*. ♀ ad. sk.	Pegu, Aug., Sept. (*E. W. O.*).	Oates Coll.
f'. Ad. sk.	India.	Seebohm Coll.
g', *h'*, *i'*. Ad. sk.	Calcutta.	Seebohm Coll.
k'–*y'*. ♂ ad.; *z'*–*v''*. ♀ ad. sk.	Calcutta, Dec. to April (*A.O.H.*).	Hume Coll.
w''. ♂ ad. sk.	Calcutta.	Godwin-Austen Coll.
x'', *y''*. Ad. sk.	Madras.	Hume Coll.
z''. ♂ ad. sk.	N.E. Coast, Ceylon, Dec. 12 (*W. V. Legge*).	Seebohm Coll.

a^2. ♂ ad. sk.	Wackwelle Corale, Ceylon, Jan. 20.	Col. W. V. Legge [P.].
b^2. ♂ ad. sk.	Trincomalee, Ceylon, Dec.	Col. W. V. Legge [P.].
c^2. ♂ ad. sk.	Kaukaryit, Tenasserim, Aug. 24 (*J. Darling*).	Hume Coll.
d^2–g^2. ♂ ad. sk.	Thatone, Aug., Nov. (*W. Davison*).	Hume Coll.
h^2, i^2. ♀ ad. sk.	Yea, March (*W. Davison*).	Hume Coll.
k^2, l^2. ♂ ♀ ad. sk.	Tavoy, Jan., April (*W. Davison*).	Hume Coll.
m^2, n^2. ♀ ad. sk.	Salang, Island of Tonka, Feb., March (*J. Darling*).	Hume Coll.
o^2. Ad. sk.	Malacca, Aug. (*Dr. Maingay*).	Tweeddale Coll.
p^2. Ad. sk.	Java (*Horsfield*).	India Museum. (Type of *Totanus damacensis*.)
q^2. ♀ ad. sk.	E. Java.	Wallace Coll.
r^2. ♀ ad. sk.	Makassar, Celebes.	Wallace Coll.
s^2. Ad. sk.	Trusan, Sarawak, Aug. (*A. H. Everett*).	Seebohm Coll.
t^2. Ad. sk.	Baram Point, N.W. Borneo, Oct. 10.	A. H. Everett, Esq. [C.].
u^2, v^2. ♂ juv. sk.	Baram Point, Aug. 31.	A. H. Everett, Esq. [C.].
w^2. ♂ imm.; x^2, y^2. ♀ imm. sk.	Puerto Princesa, Palawan, Sept.	E. L. Moseley, Esq. [C.].
z^2. Ad. sk.	Luzon (*Maitland Heriot*).	Tweeddale Coll.
a^3. Ad. sk.	N.W. Australia (*T. H. Bowyer Bower*).	Capt. Bowyer Bower [P.].

5. Limonites temminckii.

Tringa pusilla, *Lath. Ind. Orn.* ii. p. 737 (1801, pt.).
Trynga cinclus (*nec L.*), *Pall. Zoogr. Rosso-Asiat.* ii. p. 201 (1811).
Tringa temminckii, *Leisler in Beckst. Naturg. Deutschl.* Nachtr. ii. p. 78 (1812); *Temm. Man. d'Orn.* ii. p. 622 (1820); *id. Pl. Col.* v pl. 41. fig. 1 (1823); *Roux, Orn. Prov.* pl 288 (1825); *Werner, Atlas, Grallæ*, pl. 15 (1827); *Naum. Vog. Deutschl.* vii. Taf. 189 (1834); *Gould, B. Eur.* iv. pl. 333 (1837); *Crespon, Orn. Gard*, p. 414 (1840); *Mühle, Orn. Griechenl.* p. 105 (1840); *Keys. u. Blas. Wirb. Eur.* pp. lxxvii, 215 (1840); *Nordm. in Demid. Voy. Russ. Merid.* iii. p. 241 (1840: Crimea, ? breeding); *Selys-Longch. Faun. Belge*, p. 125 (1842); *Schl. Rev. Crit.* p. xc (1844); *Gray, Gen. B.* iii. p. 579 (1845); *Blyth, Cat. B. Mus. As. Soc.* p. 270 (1849: Calcutta); *Thomps. B. Irel.* ii. p. 302 (1850); *Midd. Reis. Sibir., Zool.* p. 221 (1851: Taimyr R.; Boganida R.; Stanovoi Mts; Aldan Isl.); *Macgill. Hist. Brit. B.* iv. p. 230 (1852); *Kjærb. Orn. Dan., Suppl.* pl xvi. fig. 4 (1852); *Schl. Vog. Nederl.* pl. 234 (1854); *Heugl. Syst. Uebers.* p. 63 (1856); *Sunder. Svensk. Fogl.* pl 43. fig. 5 (1856), *Hartl. Orn. West-Afr* p. 238 (1857: Senegambia); *E. C. Taylor, Ibis*, 1859, p. 53; *Jaub. & Barth.-Lapomm. Rich. Orn.* p 459 (1850); *Pinsch, J. f. O.* 1859, p. 387 (Bulgaria); *Schrenck, Reis. Amurl., Vog.* p. 442 (1859: Amurland, May); *Lindenm. Voy. Griechenl.* p. 143 (1860); *Tristr. Ibis*, 1860, p. 80 (Algeria, winter); *Swinh. t. c.* p. 93 (Amoy); *Schl. Iber. Nederl. Vog.* pl. 24. fig. 9 (1861); *F. & P. Godman*,

Ibis, 1861, p. 90 (Bödö, May); *Irby, t. c.* p. 241 (Oudh); *Blasius, Ibis*, 1862, p. 71 (Heligoland); *Swinh. t. c.* p. 255 (Foochow); *id. Ibis*, 1863, p. 412 (Formosa); *Gray, Cat. Brit. B.* p. 169 (1863); *Radde, Reis. Sibir., Vög.* p. 332 (1863: Tarei-Nor; Lake Baikal, June); *Schl. Mus. Pays-Bas*, Scolopaces, p. 47 (1864); *Jerd. B. Ind.* iii. p. 691 (1864); *A. L. Adams, Ibis*, 1864, p. 33 (Egypt); *Wright, t. c.* p. 148 (Malta, Sept.); *Dyb. & Parv. J. f. O.* 1868, p. 337 (Darasun); *Collett, Norges Fugle*, p. 53 (1868); *Borggr. Vogelf. Norddeutschl.* p. 117 (1869); *Doderl. Avif. Sicil.* p. 191 (1869); *Wright, Ibis*, 1870, p. 492 (Malta, May); *Godwin-Austen, J. A. S. Beng.* xxxix. p. 273 (1870); *Gray, Hand-l. B.* iii. p. 50, no. 10315 (1871); *Swinh. P. Z. S.* 1871, p. 409; *R. Gray, B. West. Scotl.* p. 321 (1871: Caithness); *Sharpe & Dresser, B. Eur.* viii. p. 45, pls. 549. fig. 1, 555. fig. 2 (1871); *Harting, Handb. Brit. B.* p. 49 (1872); *Shelley, B. Egypt*, p. 252 (1872); *Heugl. Orn. N.O.-Afr.* ii. Abth. i. p. 1192 (1873: Red Sea; White Nile; Kordofan); *Tacz. J. f. O.* 1873, p. 103 (E. Siberia); *Severtz. Turkest. Jevotn.* p. 60 (1873: breeding); *Alst. & Harvie Brown, Ibis*, 1873, p. 69 (Archangel: breeding); *Swinhoe, t. c.* p. 426 (Shanghai, April); *Hume & Henderson, Lahore to Yark.* p. 289 (1873: Yarkand); *Hume, Str. F.* i. p. 244 (1873); *Legge, t. c.* p. 491 (Trincomalee, Nov.); *Hume, Str. F.* ii. p. 482 (1874: Tenasserim), iii. p. 183 (1875); *Legge, Ibis*, 1875, p. 412; *Blyth & Wald. B. Burm.* p. 156 (1875); *Irby, Orn. Straits Gibr.* p. 173 (1875: winter); *Danf. & Harvie-Brown, Ibis*, 1875, p. 422 (Transylvania); *Fallon, Ois. Belg.* p. 170 (1875); *Butler & Hume, Str. F.* iv. p. 17 (1876: Deesa; Ahmedabad); *Fairb. t. c.* p. 263 (Ahmednuggur); *Seeb. & Harvie-Brown, Ibis*, 1876, p. 308 (Lower Petchora, May, June); *Dresser, t. c.* p. 411; *Tacz. Bull. Soc. Zool. France*, i. p. 254 (1876); *id. op. cit.* ii. p. 157 (1877: Poland); *Butler, Str. F.* v. p. 233 (1877: Deesa, Aug. to May); *David & Oust. Ois. Chine*, p. 473 (1877); *Hume & Davison, Str. F.* vi. p. 461 (1878); *Ball, Str. F.* vii. p. 228 (1878: Ganges to Godavery); *Hume, t. c.* p. 487 (Calcutta); *Prjev. in Rowley's Orn. Misc.* iii. p. 90 (1878: Hoangho Valley, July; Gobi Desert, Aug.); *Anders. Zool. Res. Exped. West. Yunnan*, p. 680 (1878: Bhamo, Feb.); *Bogd. B. Cauc.* p. 159 (1879); *Hume, Str. F.* viii. p. 113 (1879); *Scully, t. c.* p. 357 (Nepal, Sept. to April); *Finsch, Verh. z.-b. Ges. Wien*, xxix. p. 252 (1879: Ala-Kul; Tschschutscha); *Butler, Cat. B. Sind etc.* p. 63 (1879); *Seeb. Ibis*, 1879, p. 149 (Yenesei, July, breeding), 1880, p. 194; *Legge, B. Ceylon*, p. 892 (1880); *Hume, Str. F.* ix. p. 258 (1880: Cachar); *Butl. Cat. B. S. Bomb. Pres.* p. 77 (1880); *Reid, Str. F.* x. p. 70 (1881: Lucknow); *Biddulph, Ibis*, 1881, p. 96 (Gilgit, May); *Scully, t. c.* p. 589 (Gilgit, Sept., Oct.); *Davidson, Str. F.* x. p. 321 (1882: West Khandeish); *Seeb. Ibis*, 1882, p. 224 (Astrachan, on migration); *id. t. c.* p. 382 (Archangel, breeding); *Biddulph, t. c.* p. 288 (Gilgit, July, Aug.); *Seebohm, Ibis*, 1883, p. 30 (Caucasus, on migration); *Severtz. t. c.* p. 75 (Alai Pamir, breeding); *B. O. U. List Brit. B.* p. 169 (1883); *Booth, Rough Notes*, ii. pls. 26, 27 (1883); *Saunders, ed. Yarr. Brit. B.* iii. p. 398 (1883); *Oates, Handb. B. Brit. Burm.* ii. p. 392 (1883); *Bogd. Consp. Av. Imp. Ross.* p. 94 (1884); *Radde, Orn. Cauc.* p. 430 (1884); *Murray, Vertebr. Faun. Sind*, p. 251 (1884); *Seebohm, Ibis*, 1884, p. 268 (Kiukiang, Oct.); *id. Hist. Brit. B.* iii. p. 217, pl. 31. figs. 7, 8 (1885); *Tacz. Bull. Soc. Zool. France*, x. p. 475 (1885: Ussuri country); *Zarudn. Ois. Transc.* p. 70

(1885); *Whitak. Ibis*, 1885, p. 42 (Corsica, May); *Pleske, Uebers. Stieg. u. Vög. Kola-Halbinsel*, p. 346 (1886); *Palmén, Vega-Exped., Fogelf.* p. 319 (1887); *Hume, Str. F.* xi. p. 323 (1888: Sylhet; Cachar); *Seebohm, Geogr. Distr. Charadr.* p. 434 (1888); *Saunders, Man. Brit. B.* p. 575 (1889); *Reichen. Syst. Verz. Vög. Deutschl.* p. 48 (1889); *Collett, Ibis*, 1890, p. 467 (Róros, July breeding); *Steere, List Birds & Mamm. Philipp.* p. 26 (1890: Negros); *Brusina, Motr.* (*Orn. Croatica*), p. 88 (1890); *Madarász, Erläut. Ausst. Ungar. Vogelf.* p. 110 (1891); *Schalow, J. f. O.* 1891, p. 259 (Sitcha Isl., Kurile); *Hartert, Kat. Vogels. Senckenb. Mus.* p. 202 (Bischofsheim; Mainz); *Frivaldsky, Aves Hung.* p. 147 (1891); *Gätke, Vogelw. Helgol.* p. 522 (1891); *Sharpe, Rep. Sci. Res. 2nd Yark. Miss., Aves*, p. 143 (1891: Yarkand, breeding; Leh; Lukung); *Fatio & Studer, Cat. distr. Ois. Suisse*, p. 50 (1892); *Seebohm, Ibis*, 1892, p. 25 (Heligoland); *De La Touche, t. c.* p. 499 (Foochow and Swatow); *Hartert, t. c.* p. 515 (E. Prussia); *Styan, Ibis*, 1893, p. 437 (Hainan); *Stejn. Auk*, x. p. 346 (1893: Tokio, Japan); *Tacz. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 916 (1893); *Pearson & Bidwell, Ibis*, 1894, p. 235 (N. Norway); *Stejn. Proc. U.S. Nat. Mus.* xv. p. 371 (1895: Japan); *Lilford, Col. Fig. Brit. B.* part xxxi. (1895).

Pelidna temmincki, *Steph. in Shaw's Gen. Zool.* xii. pt. i. p. 103 (1824); *Brehm, Vög. Deutschl.* p. 668 (1831); *Bp. Comp. List B. Eur. & N. Amer.* p. 50 (1838); *Degl. & Gerbe, Orn. Eur.* ii. p. 205 (1867); *Fritsch, Vög. Eur.* tab. 38. fig. 12 (1870); *Koenig, J. f. O.* 1892, p. 91 (Tunis).

Calidris temminckii, *Cuvier, Règne Anim.* i. p. 526 (1829).

Leimonites temminckii, *Kaup, Natürl. Syst.* p. 37 (1829); *Gould, B. Gt. Brit.* iv. pl. 73 (1873).

Temminck's Stint, *Yarr. Brit. B.* ii. p. 647 (1843).

Tringa pusilla vel temminckii, *Hodgs. Icon. ined. in Brit. Mus., Gralla*, pl. 92, no. 629; *id. in Gray's Zool. Misc.* p. 86 (1844).

Schœniclus temminckii, *Gray, List Gralla in Brit. Mus.* p. 106 (1844); *id. Cat. Mamm. etc. Nepal pres. Hodgs.* p. 140 (1846).

Pelidna gracilis, *Brehm, Vogelf.* p. 318 (1855).

Actodromas temminckii, *Bp. C. R.* xliii. p. 596 (1856); *Loche, Expl. Sci. Algér., Ois.* ii. p. 314 (1867); *Salvad. Faun. Ital., Ucc.* p. 317 (1871); *Saunders, Ibis*, 1871, p. 388 (S. Spain, winter); *Salvad. Ucc. Born.* p. 324 (1874: Pagattan); *Cripps, Str. F.* vii. p. 303 (1878: Dibrughur); *Stejn. Proc. U.S. Nat. Mus.* vi. p. 71 (1883); *id. Bull. U.S. Nat. Mus.* no. 29, p. 119 (1885: Bering Isl.); *id. Proc. U.S. Nat. Mus.* x. p. 130 (1887: Commander Isl.); *Gigl. Avif. Ital.* p. 388 (1886); *Salvad. Elenco Ucc. Ital.* p. 220 (1888); *Gigl. Avif. Ital. 1st Resoc.* i. p. 590 (1889), ii. p. 643 (1890), iii. p. 507 (1891).

Limonites temminckii, *Gigl. Ibis*, 1865, p. 61 (Pisa); *Heine & Reichen. Nomencl. Mus. Hein.* p. 329 (1890: Pomerania).

Tringa damacensis, *Tacz. Bull. Soc. Zool. France*, vii. p. 306 (1882); *Dyb. & Tacz. op. cit.* ix. p. 146 (1884: Kamtchatka; Bering Isl.; Copper Isl.).

Tryngas sp. innom. (?), *Olphe-Gall. Contr. Faun. Eur. Occid.* fasc. xiv p. 86 (1891).

Adult in winter plumage. General colour above ashy grey, slightly varied with dusky shaft-streaks; scapulars bronzy brown like the inner secondaries; lower back and rump brown, with a sub-terminal shade of darker brown; upper tail-coverts also dark

brown, with longitudinal shaft-streaks of darker brown; wing-coverts brown, with a slight bronzy gloss, the shaft-lines darker, and slight indications of paler edges; the greater coverts tipped with white, forming a cross-band on the wing; bastard-wing, primary-coverts, and quills blackish brown, the shafts of the primaries pale whity-brown, that of the first outer primary white; the bastard primary white, with a brown centre; all the primaries white at the extreme base; secondaries brown, white at base of the inner web, and fringed with white at the ends; the long inner secondaries bronzy brown with dusky centres; centre tail-feathers dusky brown, the remainder ashy brown, with white in the centre, increasing in extent towards the outer feathers, the two external ones entirely white; crown of head ashy brown like the back; lores dull brown, surmounted by a streak of white, hardly joined to a second streak above the ear-coverts, which forms an indistinct eyebrow; eyelid white; sides of face and ear-coverts ashy brown, streaked with dusky brown; the cheeks and throat white, with a few dusky streaks on the cheeks and lower throat; fore-neck and upper breast light ashy brown; lower breast, abdomen, sides of body, and flanks pure white; thighs brown, white internally; under tail-coverts white; under wing-coverts and axillaries white; the coverts round the bend of the wing dusky brown with whitish edges, the lower primary-coverts brown, forming a patch; quills below ashy brown, somewhat lighter along the inner edge. Total length 5·5 inches, culmen 0·6, wing 3·8, tail 1·8, tarsus 0·7, mid toe and claw 0·7.

Adult male in breeding-plumage. Only differs from the winter plumage in being more mottled above, the feathers having black centres, and being tinged with rufous, especially on the edges of the feathers; the lower throat and chest have also some distinct shaft-lines: "bill olive-black, lighter olive-brownish at base, especially on the lower mandible; feet olive-yellow, the joints more dusky; iris dark brown" (*L. Stejneger*). Total length 5·3 inches, culmen 0·75, wing 3·7, tail 1·8, tarsus 0·65, middle toe and claw 0·7.

Adult female in breeding-plumage. Similar to the male and apparently quite as much mottled. Total length 5·2 inches, culmen 0·8, wing 3·9, tail 1·85, tarsus 0·65, middle toe and claw 0·7.

Young birds. These can always be distinguished from the adults in summer or winter plumage by the narrow sandy-buff margins to the feathers of the upper surface, and by the ashy-fulvous tinge on the fore-neck, which is devoid of the dusky streaks seen in the adults.

Nestling. Covered with golden-buff down, spotted with black, and spangled with silvery tips to the down; the black forms a line down the centre of the back; under surface dull white, tinged with buff on the fore-neck.

Hab. Breeding in northern portions of the Old World, migrating south in winter to N. Africa, the Indian Peninsula and Ceylon, the Burmese countries and China.

a. Ad. st.	Ribbleton Moor, Lancashire, Sept.	Harting Coll.
b, *c*. Ad. st.	Aldeburgh, Suffolk, August.	Theodore Fisher, Esq. [P.].
d. ♀ juv. sk.	Thorpe Mere, Aldeburgh, Sept. 11 (*J. E. Harting*).	Seebohm Coll.
e. Ad. sk.	Barking.	Seebohm Coll.
f, *g*. Ad. st.	Kingsbury, Middlesex, Sept.	Harting Coll.
h. ♂ ad. sk.	Kingsbury, Aug. 29 (*J. E. Harting*).	Seebohm Coll.
i–*m*. ♂ ♀ juv. sk.	Pagham Harbour, Sussex, Sept. (*J. E. Harting*).	Seebohm Coll.
n. Ad. st.	Pagham Harbour.	R. B. Sharpe [P.].
o. Juv. sk.	Pagham Harbour, Aug. 20 (*G. E. Shelley*).	Seebohm Coll.
p. Ad. sk.	Devonshire.	Montagu Coll.
q–*t*. ♂ ad. sk.	Bödö, Norway, May (*F. D. Godman*).	Salvin-Godman Coll.
u, *v*. ♂ ad.; *w*, *x*, *y*. ♀ ad. sk.	Tromsö, Norway, June (*H. S.*).	Seebohm Coll.
z, *a'*. ♂ ad. sk.	Vadsö, Norway, June (*H. S.*).	Seebohm Coll.
b'. ♀ ad. sk.	Repwaag, Norway, June 18 (*H. S.*).	Seebohm Coll.
c', *d'*. ♂ ad. sk.	Kistrand, Norway, June 20 (*H. S.*).	Seebohm Coll.
e'. Ad. sk.	Quickiock, Lapland, July 31 (*T. E. Buckley*).	Seebohm Coll.
f', *g'*. ♂ ad. sk.	Lapland, May 26.	Gould Coll.
h'. ♂ ad. sk.	Gioletz, June 22 (*H. S.*).	Seebohm Coll.
i', *k'*. ♂ ad.; *l'*. Pull. sk.	Tshaitsha, River Dwina, June (*J. A. Harrie-Brown and E. R. Alston*).	Seebohm Coll.
m'–*s'*. ♂ ad.; *t'*, *u'*, *v'*. ♀ ad.; *w'*. Pull. sk.	River Petchora, June–July (*J. A. Harrie-Brown and H. Seebohm*).	Seebohm Coll.
x'. Ad. sk.	Heligoland.	Seebohm Coll.
y'. ♂ ad. sk.	France.	Seebohm Coll.
z', *a''*. ♂ ad. sk.	Egypt, Feb., March (*G. E. Shelley*).	Seebohm Coll.
b''. Ad. sk.	Cape Verde, Senegal, Oct.	L. Laglaize [C.].
c''–*g''*. ♂ ad.; *h''*, *i''*. ♀ ad.; *k''*. Pull. sk.	Valley of the Yen-e-sei, June–July (*H. S.*).	Seebohm Coll.
o''. ♂ ad. sk.	Ala Kul, Turkestan, May 19 (*Dr. O. Finsch*).	Geogr. Soc. Bremen.
p''. ♂ ad. sk.	Western Turkestan, April (*Prjevalsky*).	Seebohm Coll.
q'', *r''*, *s''*. ♂ ♀ ad. sk.	Zaidam, April, Aug. (*Prjevalsky*).	Seebohm Coll.
t'', *u''*. Ad. sk.	Yarkand, May 22.	Dr. F. Stoliczka [C.].
v''. Ad. sk.	Leh, Sept. 9.	Dr. F. Stoliczka [C.].
w''. Ad. sk.	Lukung, Sept. 20.	Dr. F. Stoliczka [C.]
x''. ♂ ad. sk.	Banks of the Hubb, Baluchistan, Oct. 24 (*W. T. Blanford*).	Hume Coll.
y''. Ad. sk.	Rohun, Sindh, Jan. 4.	Hume Coll.
z''. Ad. sk.	Kotri, Sindh, Nov. 27 (*E. A. Butler*).	Hume Coll.

a^3, b^3. ♂ ad. sk.	River Jhelum, Pind Dadan Khan, Nov. 23 (*A. O. H.*).	Hume Coll.
c^3. ♂ ad. sk.	Deesa, Feb. 2 (*E. A. Butler*).	Hume Coll.
d^3. Ad. sk.	Mount Aboo (*E. A. Butler*).	Hume Coll.
e^3. ♀ ad. sk.	Mount Aboo, Oct. 11 (*G. King*).	Hume Coll.
f^3–i^3. ♂ ad. et juv. sk.	Sambhur, Oct. to April (*R. M. Adam*).	Hume Coll.
k^3. ♂ ad.; l^3, m^3. ♀ ad. sk.	Delhi, Feb. to May (*C. T. Bingham*).	Hume Coll.
n^3, o^3. ♂ ad.; p^3. ♀ ad. sk.	Sultanpur, Gurgaon, Oct. (*W. N. Chill*).	Hume Coll.
p^3, r^3. Ad. sk.	Lahore, Dec. (*C. H. T. Marshall*).	Hume Coll.
s^3. ♂ ad. sk.	Cashmere, Sept.	Colonel Biddulph [C.].
t^3–x^3. ♂ ad.; y^3–d^4. ♀ ad. et imm. sk.	Gilgit, May, Aug.	Colonel Biddulph [C.].
e^4, f^4. ♂ ♀ ad. sk.	Gilgit, May 15 (*J. Scully*).	Seebohm Coll.
g^4, h^4. ♀ ad. sk.	Umbala, Nov. (*R. C. Beavan*).	Tweeddale Coll.
i^4–m^4. Ad. sk.	Etawah, Sept. (*A. O. H. and W. E. Brooks*).	Hume Coll.
n^4. ♀ ad. sk.	Utchulda, Etawah, Jan. 29.	Hume Coll.
o^4, p^4. ♀ ad. sk.	Cawnpore, Feb. (*W. E. Brooks*).	Hume Coll.
q^4, r^4, s^4. ♂ ad.; t^4, u^4, v^4. ♀ ad. sk.	Allahabad, Dec. to Feb.	Hume Coll.
w^4–b^5. ♂ ad.; c^5–f^5. ♀ ad. sk.	Futtehgurh, April, May (*A. Anderson & W. E. Brooks*).	Seebohm Coll.
g^5, h^5. ♂ ad.; i^5, k^5. ♀ ad. sk.	Futtehgurh, April to June (*A. Anderson & W. E. Brooks*).	Hume Coll.
l^5. Ad. sk.	Oudh.	Pinwill Coll.
m^5. Imm. sk.	Oudh.	Hume Coll.
n^5. ♂ ad. sk.	Nepal Valley, Oct. 2 (*J. Scully*).	Seebohm Coll.
o^5–r^5. Ad. sk.	Nepal.	Hodgson Coll.
s^5, t^5. Ad. sk.	Nepal (*B. H. Hodgson*).	India Museum.
u^5. Ad. sk.	Darjeeling.	Seebohm Coll.
v^5. Ad. sk.	Upper Assam.	R. B. Sharpe, Esq. [P.].
w^5. ♂ ad. sk.	Noa Dihing, Feb. 3.	Godwin-Austen Coll.
x^5, y^5. Ad. sk.	Miri Hills, Assam.	Godwin-Austen Coll.
z^5, a^6. ♂ ad. sk.	Dibrughur, Feb., May (*J. R. Cripps*).	Hume Coll.
b^6. Ad. sk.	Mymensing.	Godwin-Austen Coll.
c^6. ♀ ad. sk.	Kalleejung, Bhramapootra River, Dec. 4 (*W. Davison*).	Hume Coll.
d^6. ♂ ad. sk.	Manipur.	Godwin-Austen Coll.
e^6. ♂ ad. sk.	Barak River, Cachar, Jan 10 (*W. Davison*).	Hume Coll.
f^6, g^6. Ad. sk.	Dacca (*R. C. Tytler*).	India Museum.
h^6, i^6, k^6. Ad. sk.	Calcutta, Jan., April, May (*A. O. H.*).	Hume Coll.
l^6. ♂ ad. sk.	Calcutta, Jan.	Godwin-Austen Coll.
m^6. ♀ ad. sk.	Assensole, Nov. 8 (*W. E. Brooks*).	Hume Coll.

n^6. ♀ ad. sk.	Maunbhoom, Jan. (*R. C. Beavan*).	Tweeddale Coll.
o^6. ♀ ad. sk.	Raipur.	Hume Coll.
p^6. ♀ ad. sk.	Nerbudda, Dec. 10.	Hume Coll.
q^6, r^6. ♂ ad. sk.	Shada, Khandeish, Dec. (*J. Davidson*).	Hume Coll.
s^6, t^6. Ad. sk.	Deccan (*Sykes*).	India Museum.
u^6. ♀ ad. sk.	N.E. of Ahmednuggar, Feb. 9 (*S. B. Fairbank*).	Tweeddale Coll.
v^6. ♀ ad. sk.	Pegu, March 17.	Oates Coll.
w^6. ♂ ad. sk.	Tonghoo, Nov. 12 (*R. G. W. R.*).	Tweeddale Coll.
x^6. ♂ ad. sk.	Bhamo, Upper Burmah, Feb. 7.	Dr. J. Anderson [C.].
y^6. ♂ ad. sk.	Kedai-keglai, Tenasserim, Dec. 15 (*W. Davison*).	Hume Coll.
z^6. ♂ ad.; a^7, b^7. ♀ ad. sk.	Thinzeik, Dec., Jan. (*W. Davison*).	Hume Coll.
c^7 h^7. ♂ ad.; i^7, k^7, l^7. ♀ ad. sk.	Thatone, Oct. to Jan. (*W. Davison*).	Hume Coll.
m^7. ♂ ad. sk.	Houngthraw River, Feb. 14 (*W. Limbory*).	Tweeddale Coll.
n^7. ♂ ad.; o^7, p^7. ♀ ad. sk.	Tavoy, March, April (*W. Davison*).	Hume Coll.
q^7, r^7. ♀ ad. sk.	Ye, Tenasserim, March 21 (*W. Davison*).	Hume Coll.
s^7. ♀ ad. sk.	Yeaboo, Attaran River, March 31 (*W. Davison*).	Hume Coll.
t^7, u^7, v^7. ♂ ad. et juv.; w^7, x^7, y^7. ♀ juv. sk.	Mouth of Amur River, August (*Doerries*).	Seebohm Coll.
z^7. ♂ ad. sk.	Shanghai, May (*R. Swinhoe*).	Seebohm Coll.
a^8–g^8. Ad. sk.	Amoy, Jan., Oct. (*R. S.*).	Seebohm Coll.
h^8, i^8. Ad. sk.	Canton, China.	Tweeddale Coll.
k^8, l^8. Sternum and bones of trunk.	Nepal.	Hodgson Coll.

64. HETEROPYGIA.

	Type.
Heteropygia, *Coues, Proc. Philad. Acad.* 1861, p. 191.	H. fuscicollis.
Delopygia (*nom. altern.*), *Coues, l. c.* p. 190, note	H. fuscicollis.
Lamnocinclus, *Gould, Handb. B. Austr.* ii. p. 254 (1865)	H. acuminata.

Range. North and South America. Accidental in Europe. E. Siberia to China and Australia.

Key to the Species.

a. Central upper tail-coverts dark like the rump and centre tail-feathers.
  a'. Wing exceeding 5 inches in length; pectoral band very distinct.
    a''. Pectoral band strongly defined, streaked with black, very thickly distributed; flanks scarcely streaked ..... *maculata*, p. 562.
    b''. Pectoral band thickly spotted with black, but not strongly defined; flanks plentifully streaked ..... *acuminata*, p. 566.

b'. Wing less than 5 inches; pectoral band not sharply defined, and only slightly streaked and spotted; legs black; flanks not streaked.. *bairdi*, p. 574.

b. Central upper tail-coverts white like the lateral ones, forming a band between the rump and the tail..... *fuscicollis*, p. 574.

1. Heteropygia maculata.

L'Alouette-de-mer de S. Domingue, *Briss. Orn.* v. p. 219, pl. xxiv. fig. 1 (1760).

Tringa maculata, *Vieill. N. Dict. d'Hist. Nat.* xxxiv. p. 465 (1819: Antilles); *Scl. & Salv. Ibis*, 1859, p. 229 (Dueñas); *A. & E. Newton, t. c.* p. 258 (St. Croix); *A. Newton, Blasius List B. Europe*, p. 18 (1862); *Gray, Cat. Brit. B.* p. 166 (1863); *Blakiston, Ibis*, 1863 p. 132 (Mackenzie River); *Schl. Mus. Pays-Bas*, Scolopaces, p. 39 (1864); *Léot. Ois. Trinid.* p. 474 (1866); *Scl. & Salv. P. Z. S.* 1866, p. 199 (Upper Ucayali); *Dresser, Ibis*, 1866, p. 36 (Southern Texas); *Scl. & Salv. P. Z. S.* 1867, p. 754 (Xeberos); *Bryant, Proc. Bost. Soc. Nat. Hist.* xi. p. 69 (1867: Bahamas); *Scl. & Salv. P. Z. S.* 1869, p. 598 (Cosnipata); *Sundev. Öfv. Vet.-Akad. Forh. Stockh.* 1869, p. 587 (St. Bartholomew); *Gray, Hand-l. B.* iii. p. 49, no. 10303 (1871); *Pelz. Orn. Bras.* p. 311 (1871: Ypanema; Caiçara; Engenho do Gama, Sept.; Mattagrosso, Aug.); *Trippe, Proc. Bost. Soc. Nat. Hist.* xv. p. 241 (1872: Southern Iowa); *Harting, Handb. Brit. B.* p. 140 (1872); *Coues, Key N. Amer. B.* p. 255 (1872); *Scl. & Salv. Nomencl. Av. Neotr.* p. 145 (1873); *iid. P. Z. S.* 1873, p. 455; *Coues, B. N.-West*, p. 486 (1874); *Ridgw. Ann. Lyc. N. Y.* x. p. 384 (1874: Illinois); *Tacz. P. Z. S.* 1874, p. 560 (Chorillos; Junin); *Scl. & Salv. t. c.* p. 678 (Paucatambo); *Durnf. Ibis*, 1877, p. 43 (Chupat Valley, Patagonia); *Reid, Zool.* 1877, p. 477 (Bermudas); *Moore, Proc. Bost. Soc. Nat. Hist.* xix. p. 241 (1877: Fortune Isl., Bahamas); *Durnf. Ibis*, 1878, p. 68 (Buenos Ayres, Oct. to April); *Blakiston & Pryer, t. c.* p. 221 (Yezo); *Sennett, Bull. U.S. Geol. Surv.* iv. p. 55 (1878: Rio Grande, Texas); *Coues, t. c.* p. 640 (Dakota and Montana); *Dresser, B. Eur.* viii. p. 11, pl. 546 (1878); *Merrill, Proc. U.S. Nat. Mus.* i. p. 161 (1878: Fort Brown, Texas); *Belding, t. c.* p. 395 (California); *Lawr. t. c.* pp. 451, 461, 488 (Guadeloupe); *Scl. & Salv. P. Z. S.* 1879, p. 641 (Tilotilo, Bolivia); *Maynard, B. East. N. Amer.* p. 381 (1879); *Lawr. Proc. U.S. Nat. Mus.* iii. p. 258 (1880: Dominica); *A. & E. Newton, Handb. Jamaica*, p. 116 (1881); *Saunders, ed. Yarrell's Brit. B.* iii. p. 368 (1883); *B. O. U. List Brit. B.* p. 168 (1883); *Barrows, Auk*, i. p. 314 (1884: Concepcion, Lower Uruguay); *Seebohm, Hist. Brit. B.* iii. p. 201 (1885); *Turner, Auk*, ii. p. 156 (1885: Nearer Islands); *A. O. U. Checkl. N. Amer. B.* p. 150 (1886); *Turner, Contr. Nat. Hist. Alaska*, p. 147 (1886: St. Michael's, Alaska); *Scl. P. Z. S.* 1886, p. 404 (Tarapacá); *Tacz. Orn. Pérou*, iii. p. 356 (1886: Lima; Junin); *Murdoch, Auk*, iii. p. 123 (1886: Point Barrow, Alaska); *Seton, t. c.* p. 151 (W. Manitoba); *Cory, t. c.* p. 502 (Grand Cayman); *Nelson, Rep. Nat. Hist. Coll. Alaska*, p. 108, pl. viii. (1887); *Cory, Auk*, iv. p. 96 (1887: Martinique); *Lloyd, t. c.* p. 186 (W. Texas); *Cory, t. c.* p. 314; *Ridgw. Man. N. Amer. B.* p. 156 (1887); *id. Proc. U.S. Nat. Mus.* x. p. 578 (1887: Swan Isl.); *Beckham, t. c.* pp. 637, 652 (S.W. Texas); *Ervermann, Auk*, v. p. 349 (1888: Indiana); *Irby,*

Key List Brit. B. p. 46 (1888); *Cooke, Bull. U.S. Agric.* No. 2, p. 42 (1888); *Cory, B. West Ind.* p. 235 (1889); *Feilden, Ibis*, 1889, p. 493 (Barbados, July to Oct.); *Scott, Auk*, vi. p. 157 (1889: Punta Rassa, Florida); *Pindar, t. c.* p. 312 (Kentucky); *Saunders, Man. Brit. B.* p. 565 (1889); *Macpherson, Ibis*, 1889, p. 158 (Penrith); *Sel. & Huds. Argent. Orn.* ii. p. 183 (1889); *Ilford, Cat. Fig. Brit. B.* part xiv. (1890); *Cherrie, Auk*, vii. p. 332 (1890: Costa Rica); *Warren, B. Pennsylv.* p. 84 (1890); *Thomps. Proc. U.S. Nat. Mus.* xiii. p. 500 (1890: Manitoba); *Dust. Miss. Sci. Cap Horn, Ois.* p. B295 (1891); *Cory, Auk*, viii. p. 48 (1891: Guadeloupe); *Holland, Ibis*, 1891, p. 20 (Argentine Republic, April); *Butler, t. c.* p. 149 (Breydon Water, Sept.); *MacFarlane, Proc. U.S. Nat. Mus.* xiv. p. 426 (1891); *James, New List Chilian B.* p. 12 (1892); *Hatch, B. Minnesota*, p. 125 (1892); *Scott, Auk*, ix. p. 13 (1892: Jamaica); *Cory, t. c.* p. 48 (Maraguana, Bahamas); *Scott, t. c.* p. 212 (Caloosahatchie region); *Attwater, t. c.* p. 232 (San Antonio, Texas); *Cherrie, t. c.* p. 329 (San José, Costa Rica); *Anthony, t. c.* p. 399 (S.W. New Mexico); *Cory, Cat. B. West Indies*, p. 93 (1892: Greater and Lesser Antilles; Bahamas); *Graham Kerr, Ibis*, 1892, p. 151 (Lower Pilcamayo); *Holland, t. c.* p. 241 (Estancia Espartilla); *Tacz. Mem. Acad. Imp. Sci. St. Petersb.* (7) xxxix. p. 911 (1893); *Ilford, Cat. Fig. Brit. B.* pt. xxiv. (1893); *Allen, Auk*, x. p. 123 (1893); *Brumley, t. c.* p. 243 (N. Carolina); *A. O. U. Check-list N. Amer. B.* 2nd ed. p. 88 (1895).

Pelidna pectoralis, *Say in Long's Exped. Rocky Mts.* i. p. 171 (1823); *Bp. Comp. List B. Eur. & N. Amer.* p. 50 (1838); *Cab. J. f. O.* 1856, p. 421 (Cuba); *Gundl. J. f. O.* 1862, p. 87 (Cuba).

Tringa pectoralis, *Bp. Ann. Lyc. N. Y.* ii. p. 318 (1826); *id. Amer. Orn.* iv. p. 43, pl. 23 fig. 2 (1833); *Audub. Orn. Biogr.* iii. p. 491, pl. ccxiv. (1835); *Jenyns, Man. Brit. Vertebr.* p. 210 (1835); *Gould, B. Eur.* iv. pl. 327 (1837); *Audub. Orn. Biogr.* v. p. 584 (1839); *Temm. Man. d'Orn.* iv. p. 397 (1840); *Werner, Atlas*, Taf. 470; *Keys. & Blas. Wirb. Eur.* pp. lxxvii, 215 (1840); *Macgill. Man. Brit. Orn.* ii. p. 69 (1842); *Audub. B. Amer.* 8vo, v. p. 259, pl. ccxxxix. (1842); *Giraud, B. Long Isl.* p. 233 (1844); *Dekay, Nat. Hist. N. Y., Zool.* i. p. 242, pl. 85, fig. 193 (1844); *Sel. Rar. Cat.* p. lxxxix (1844); *Gray, Gen. B.* iii. p. 579 (1845); *Lembeye, Av. Cuba*, p. 98 (1850); *Macgill. Brit. B.* iv. p. 130 (1852); *Putnam, Proc. Essex Inst.* i. p. 216 (1856: Essex Co., Mass.); *Sel. P. Z. S.* 1856, p. 310 (Cordova); *id. P. Z. S.* 1858, p. 536 (Riobamba, Ecuador); *Brewer, Proc. Best. Soc. Nat. Hist.* vi. p. 308 (1860: Cuba); *Reinh. Ibis*, 1861, p. 11 (Greenland); *Swedes. Efv. Vet.-Akad. Förh. Stockh.* 1859, p. 662 (Porto Rico); *Storer, B. Nort.* ii. p. 367 (1870); *R. Gray, B. West & Nth.* p. 321 (1871: Aberdeenshire).

The Pectoral Sandpiper, *Nuttall, Man. Orn.* ii. p. 111 (1834); *Darrell, Brit. B.* iii. p. 654 (1843).

Schœnicolus pectoralis, *Gray, List Genera Brit. Mus.* p. 104 (1841: Sitka, N.W. America).

Tringa (Actodromas) pectoralis, *Tschudi, Consp. Av. Peruan.* p. 290 (1845: Coast of Peru up to 12,000 feet).

Tringa fuscicollis, *Vieill. Ois. Am. Sept.* ii. p. 102 (1807: Brazil, Chili).

? Pelidna campestris, *Gray, Cat. Mamm. & Birds Nepal & Thibet, Brit. Mus.* p. 81 (1846: Nepal).

Tringa (Actodromas) fuscicollis, *Lafr. & d'Orb. Syn. Av. Amer. Mer.* p. 58 (1847: Bolivia, Chili, Brazil).

Tringa (Actodromas) fuscicollis, *Burm. Syst. Uebers. Th. Brasil.* iii. p. 402 (1856: Brazil, Paraguay, Buenos Ayres).

Tringa (Actodromas) fuscicollis, *Cassin in Baird's B. N. Amer.* p. 709 (1858: Brazil, Chili, Buenos Ayres, Paraguay, Bolivia, Peru, Ecuador, Columbia, Mexico, Texas, Louisiana, Illinois, Massachusetts, Labrador, Greenland, Arctic Ocean, Siberia, Kamtschatka, Japan, Australia, Tasmania, New Zealand, Europe, Africa, Asia Minor, Persia, Afghanistan, Himalayas, Nepal, Thibet, Ceylon, Malacca, Java, Timor, Celebes, Philippines, Moluccas, New Guinea, Solomon Islands, New Britain, New Ireland, Duke of York Island, New Hebrides, Fiji Islands, Tonga Islands, Navigator Islands, Sandwich Islands, Ladrone Islands, Pelew Islands, Caroline Islands, Marshall Islands, Gilbert Islands, Ellice Islands, Phœnix Islands, Penrhyn Islands, Hervey Islands, Society Islands, Low Archipelago, Marquesas Islands, Pitcairn Island, Easter Island, Sala y Gomez, Juan Fernandez, Galapagos Islands, Cocos Island, Tres Marias, Lower California, Alaska, Kadiak, Unalaska, Kotzebue Sound, Mackenzie River, Fort Simpson, Fort Resolution, Fort Liard, Fort Yukon, Fort Anderson, Fort Good Hope, Fort Norman, Fort Rae, Fort Confidence, Fort Hearne, Fort Churchill, Severn River, Moose Factory, Fort Albany, Fort Rupert, Fort Simpson, Fort Vancouver, Fort Colville, Fort Walla Walla, Fort Boise, Fort Hall, Fort Bridger, Fort Laramie, Fort Pierre, Fort Union, Fort Clark, Fort Berthold, Fort Mandan, Fort Atkinson, Fort Leavenworth, Fort Gibson, Fort Towson, Fort Jesup, Fort Brown, Fort Ringgold, Fort Inge, Fort Lancaster, Fort Davis, Fort Stockton, Fort Chadbourne, Fort Phantom Hill, Fort Belknap, Fort Arbuckle, Fort Washita, Fort Smith, Fort Scott, Fort Riley, Fort Kearney, Fort Laramie, Fort Bridger, Fort Hall, Fort Boise, Fort Walla Walla, Fort Colville, Fort Vancouver, Fort Simpson, Fort Rupert, Fort Albany, Moose Factory, Severn River, Fort Churchill, Fort Hearne, Fort Confidence, Fort Rae, Fort Norman, Fort Good Hope, Fort Anderson, Fort Yukon, Fort Liard, Fort Resolution, Fort Simpson, Mackenzie River, Kotzebue Sound, Unalaska, Kadiak, Alaska, Lower California, Tres Marias, Cocos Island, Galapagos Islands, Juan Fernandez, Sala y Gomez, Easter Island, Pitcairn Island, Marquesas Islands, Low Archipelago, Society Islands, Hervey Islands, Penrhyn Islands, Phœnix Islands, Gilbert Islands, Ellice Islands, Marshall Islands, Caroline Islands, Pelew Islands, Ladrone Islands, Sandwich Islands, Navigator Islands, Tonga Islands, Fiji Islands, New Hebrides, Duke of York Island, New Ireland, New Britain, Solomon Islands, New Guinea, Moluccas, Philippines, Celebes, Timor, Java, Malacca, Ceylon, Thibet, Nepal, Himalayas, Afghanistan, Persia, Asia Minor, Africa, Europe, New Zealand, Tasmania, Australia, Japan, Kamtschatka, Siberia, Arctic Ocean, Greenland, Labrador, Massachusetts, Illinois, Louisiana, Texas, Mexico, Columbia, Ecuador, Peru, Bolivia, Paraguay, Buenos Ayres, Chili, Brazil).

Pelidna maculata, *Bp. C. R.* xl.ii. p. 596 (1856).

Tringa (Actodromas) maculata, *Cassin in Baird's B. N. Amer.* p. 710 (1858).

Actodromas (Actodromas) maculata, *Coues, Proc. Acad. Nat. Sci. Philad.* 1861, p. 197.

Actodromas maculata, *Verrill, Proc. Essex Inst.* iii. p. 153 (1862: Oxford Co., Maine); *Boardm. Proc. Bost. Soc. Nat. Hist.* ix. p. 128 (1862: Calais, Maine); *Allen, Proc. Essex Inst.* iv. p. 77 (1864: Springfield, Mass.); *McIlwr. op. cit.* v. p. 93 (1866: Hamilton, Canada West); *Lawr. Ann. Lyc. N. Y.* viii. p. 294 (1866); *Coues, Proc. Essex Inst.* v. p. 294 (1868: New England); *Allen, Mem. Bost. Soc. N. H.* i. p. 501 (1868: Western Iowa); *Coues, Proc. Bost. Soc. Nat. Hist.* xii. p. 122 (1868: S. Carolina); *Dall & Bann. Trans. Chic. Acad.* i. p. 292 (1869); *Gundl. J. f. O.* 1875, p. 328 (Cuba); *id. Orn. Cubana*, p. 176 (1876); *Lawr. Bull. U.S. Nat. Mus.* no. iv. p. 47 (1876: Tehuantepec City, Oct.); *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 199 (1880); *Coues, Check-l. N. Amer. B.* p. 101 (1882); *Bean, Proc. U.S. Nat. Mus.* v. p. 164 (1882: Point Belcher, Alaska); *Stearns, Proc. U.S. Nat. Mus.* vi. p. 119 (1883: Labrador); *Baird, Brewer, & Ridgway, Water-Birds N. Amer.* i. p. 232 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 626 (1884); *Nelson, Auk*, i. p. 218 (1884: Alaska); *Murdoch, Exped. Point Barrow, Alaska*, p. 111 (1885); *Drew, Auk*, ii. p. 18 (1885: Colorado); *Murdoch, t. c.* p. 63 (Point Barrow); *Agersb. t. c.* p. 286 (S.E. Dakota); *Turner, Proc. U.S. Nat. Mus.* viii. p. 246 (1885: Labrador); *Wells, op. cit.* ix. p. 628 (1887: Grenada).

Limnocinclus pectoralis, *Gould, Handb. B. Austr.* ii. p. 254 (1865); *id. B. Gt. Brit.* iv. pl. 67 (1870).

Tringa maculosa, *Moore, Proc. Bost. Soc. Nat. Hist.* xix. p. 241 (1877: Fortune Isl., Bahamas).

Tringa acuminata pectoralis, *Seebohm, Geogr. Distr. Charadr.* p. 443 (1888).

Limnocinclus maculatus, *Heine & Reichen. Nomencl. Mus. Hein.* p. 329 (1890: Carlisle, U.S.A.; Mexico).

Tringa bairdi (*nec Coues*), *Aplin, Ibis*, 1894, p. 209 (Uruguay).

Adult male in breeding-plumage. Similar to *H. acuminata* (*infrà*, p. 568), but never so rufous, with a more blackish head contrasting with the ashy brown of the hind-neck. It may always be distinguished from *H. acuminata* by the greater extent of the ashy-fulvous colour, which reaches from the upper throat to the chest and is thickly and regularly streaked with dusky blackish, instead of being rufous with black spots: "bill greenish black, olive-green at base; legs clay-yellow; iris dark brown" (*H. E. Dresser*). Total length 8 inches, culmen 1·15, wing 5·55, tail 2·4, tarsus 1·1.

Adult female. Similar to male. Total length 8 inches, culmen 1·1, wing 4·9, tail 1·9, tarsus 1.

Adult in winter plumage. Differs very little from the summer plumage, but is browner and with less rufous on the upper surface, the head and neck being of the same colour as the back; the character of the throat and fore-neck is exactly the same as that of the summer plumage.

Young. Much more rufous than either the breeding or winter plumage, and distinguished by the whitish margins to the scapulars and inner secondaries. The young birds appear to have almost as much striping on the throat and breast as the old ones: in this respect it differs from the young of *H. acuminata*, where the stripes are confined to the lower throat and sides of neck.

The old birds of *H. acuminata* and *H. maculata* appear to me to be perfectly distinct, and even the young birds can, as a rule, be distinguished. There are, however, some specimens from British Columbia which are intermediate, and appear to justify Mr. Seebohm's belief that the two species intergrade.

Hab. North America, breeding in the Arctic Regions and migrating south in winter as far as Patagonia and Chili. Accidental in Europe.

a. ♂ ad. sk.	Point Belcher, Alaska, Aug. (*T. H. Bean*).	Seebohm Coll.
b, *c*. ♂ ad; *d*. ♀ ad. sk.	Point Barrow, Alaska, June 28 (*J. Murdoch*).	Salvin-Godman Coll.
e. ♂ juv.; *f i*. ♀ ad. sk.	St. Michael's, May, June, Sept. (*E. W. Nelson*).	Salvin-Godman Coll.
k. Ad. sk.	Arctic America.	Sir G. Back [P.].
l, *m*. Ad. sk.	N.W. America.	Capt. Collinson [P.].
n, *o*, *p*. Ad. sk.	Repulse Bay.	Dr. J. Rae [P.].
q. Juv. sk.	Albany River.	G. Branston, Esq. [P.].
r. Ad. sk.	Fort Simpson.	R. R. Ross, Esq. [P.].
s. Ad. sk.	Labrador.	Gould Coll.
t. Ad. sk.	Canada.	Seebohm Coll.
u–*a'*. Ad. et juv. sk.	British Columbia.	J. K. Lord, Esq. [P.].
b'. ♂ juv. sk.	Lake Superior, Sept. 24 (*A. J. Dayan*: *Hensh. Coll.*).	Salvin-Godman Coll.
c'. ♂ ad. sk.	Long Island, N. Y.	Seebohm Coll.
d'. ♀ ad. sk.	Michigan, Sept. 24 (*A. J. Dayan*: *Hensh. Coll.*).	Salvin-Godman Coll.
e'. Ad. sk.	Illinois, May 12 (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
f'. Juv. sk.	Washington, D. C. (*C. Drexler*).	Salvin-Godman Coll.
g', *h'*. ♂ ad. sk.	Lake Borgne, Louisiana, March, April (*H. W. Henshaw*).	Salvin-Godman Coll.
i'. ♂ ad. sk.	Florida, Aug. 21 (*W. Horie*: *Hensh. Coll.*).	Salvin-Godman Coll.
k', *l'*. Ad. sk.	Bermudas, Oct.	Capt. Savile Reid (C.).
m'. ♂; *n'*, *o'*. ♀ ad. sk.	Brownsville, Texas, April, May (*F. B. Armstrong*).	Salvin-Godman Coll.
p', *q'*, *r'*. ♂; *s'*, *t'*, *u'*. ♀ ad. sk.	Corpus Christi, Texas, Nov. (*F. B. A.*).	Salvin-Godman Coll.
v'. Ad. sk.	San Antonio, Texas (*H. E. Dresser*).	Hume Coll.
w'. ♂ ad. sk.	Rio Medina, Texas, May (*H. E. Dresser*).	Salvin-Godman Coll.
x'. Ad. sk.	San Pedro, Texas (*H. E. Dresser*).	Gould Coll.
y'. ♂ ad. sk.	Matamoras, Mexico, Aug. 4 (*H. E. Dresser*).	Salvin-Godman Coll.
z'. ♀ ad. sk.	Altamira, Tamaulipas, May (*W. B. Richardson*).	Salvin-Godman Coll.
a''–*e''*. ♂ ♀ ad. sk.	Zacatecas, Aug. (*W. B. Richardson*).	Salvin-Godman Coll.

f''. ♂ ad. sk.	S. Baltazar, State of Puebla, May, Aug. (*Ferrari-Perez*).	Salvin-Godman Coll.
g''. ♂ ad. sk.	Atlisco, Puebla, May 22 (*Ferrari-Perez*).	Salvin-Godman Coll.
h'', *i''*. ♂ ad. sk.	Hacienda de Los Atliscos, March (*F. D. G.*).	Salvin-Godman Coll.
k''. ♀ ad. sk.	Pinal, Puebla, April (*F. D. G.*).	Salvin-Godman Coll.
l''. ♀ ad. sk.	Dueñas, Guatemala, Sept. 2 (*O. Salvin*).	Seebohm Coll.
m'', *n''*. ♀ ad. sk.	Dueñas, Sept. (*O. S.*).	Salvin-Godman Coll.
o''. Ad. sk.	Barbados.	Sir R. Schomburgk [P.].
p''. ♀ ad. sk.	Guadeloupe, W. I., Sept. 2 (*C. S. Wynch*: *Cory Coll.*).	Salvin-Godman Coll.
q'', *r''*. Ad. sk.	St. Vincent, W. I., Oct. (*D. W. Smith*).	Salvin-Godman Coll.
s''–y''. ♂ ad. sk.	Grenada, W. I., Aug. to Oct. (*D. W. Smith*).	Salvin-Godman Coll.
z''–e³. ♂ ♀ ad. sk.	Momotombo, Nicaragua, May (*W. B. Richardson*).	Salvin-Godman Coll.
f³. ♀ ad. sk.	Pelotas, Rio Grande do Sul (*Joyner*).	Salvin-Godman Coll.
g³. Ad. sk.	Santa Catarina, Brazil (*Rogers*).	Salvin-Godman Coll.
h³. Ad. sk.	Peru.	Seebohm Coll.
i³, *k³*, *l³*. ♂ ♀ ad. sk.	Chamicuros, Peruvian Amazons, Aug. (*E. Bartlett*).	Seebohm Coll.
m³. ♂ ad. sk.	Cosnipata Valley, Peru, Oct. 19 (*H. Whitely*).	Salvin-Godman Coll.
n³. ♀ ad. sk.	Chorillos, Peru, Feb. 18.	Seebohm Coll.
o³. ♀ ad. sk.	Yquitos, E. Peru, Sept. (*H. Whitely*).	Seebohm Coll.
p³. Ad. sk.	Tilotilo, Bolivia (*C. Buckley*).	Salvin-Godman Coll.
q³, *r³*, *s³*. ♂ ad. sk.	Tarapacá, Feb. to April.	Berkeley James Coll.
t³. Ad. sk.	Chili (*Reed*).	Salvin-Godman Coll.
u³. ♀ ad. sk.	Pampas Argentinas (*Leybold*).	Salvin-Godman Coll.
v³. ♀ ad. sk.	Colonia, Nov. 21 (*H. W. Harrison*).	Seebohm Coll.
w³, *x³*. ♀ ad. sk.	Barra Grande, Cumana (*H. W. Harrison*).	Seebohm Coll.
y³. Ad. sk.	Buenos Ayres, Sept.	H. Durnford, Esq. [C.].
z³. ♀ ad. sk.	Santa Elena, Uruguay, April 4.	O. V. Aplin, Esq. [C.].
a⁴. ♀ ad. sk.	Port Desire, Patagonia, March.	Seebohm Coll.
b⁴. Ad. st.	Scilly Isl.	D. W. Mitchell, Esq. [P.].

2. Heteropygia acuminata.

? Brown-eared Sandpiper, *Lath. Gen. Syn. Suppl.* ii. p. 314 (1801 : New South Wales).
? Tringa aurita, *Lath. Ind. Orn. Suppl.* p. lxvi (1801).
Totanus acuminatus, *Horsf. Trans. Linn. Soc.* xiii. p. 192 (1821 : Java).
Tringa australis (*nec Gm.*), *Jard. & Selby, Ill. Orn* ii. pl. 91 (1836);

Gray, Gen. B. iii. p. 579 (1845); *Reichenb. Grall.* tab. lxxiii. fig. 613 (1848).

Schœniclus australis (*nec Gm.*), *Gray, List Grall. Brit. Mus.* p. 105 (1844: S. Australia; Rottness Id., W. Australia; Port Essington); *Gould, B. Austr.* vi. pl. 30 (1847); *Sturt, Exp. Centr. Austr.* ii. App. p. 50 (1849); *Reichenb. Voy. Neuholl.* p. 22 (1850); *id. Grall.* tab. cexc. figs. 2378-79 (1851); *Macgill. Narr. Voy. 'Rattlesnake,'* ii. p. 358 (1852); *Ramsay, Proc. Linn. Soc. N. S. W.* iv. p. 101 (1880: South Cape and Louisiades).

Tringa subarquata (*nec Güldenst.*), *S. Müll. Verh. Land- en Volkenk.* p. 110 (1839–44: Amboina).

Tringa rufescens (*nec Vieill.*), *Middend. Sibir. Reis., Vög.* p. 221 (1851: S. Coast of the Sea of Okhotsk, June)

? Pelidna australis (*nec Gm.*), *Licht. Nomencl. Av. Mus. Berol.* p. 92 (1854: Australia).

Actiturus australis (*nec Gm.*), *Bp. C. R.* xliii. p. 507 (1856); *Ridgw. Proc. U.S. Nat. Mus.* v. p. 331 (1882).

Tringa sp., *Swinh. Ibis*, 1860, p. 359 (Amoy); *id. Ibis*, 1861, p. 312 (between Takow and Peking).

Tringa acuminata, *Swinh. P. Z. S.* 1863, p. 310; *id. Ibis*, 1863, p. 412 (Formosa); *Schl. Mus. Pays-Bas*, Scolopaces, p. 38 (1864: Java; Ternate; Amboina; Port Essington; Australia); *Whitely, Ibis*, 1867, p. 205 (Hakodadi); *Hartl. & Finsch, P. Z. S.* 1868, pp. 8, 18 (Pelew Is.); *Swinh. P. Z. S.* 1871, p. 409 (China, migrant); *Gray, Hand-l. B.* iii. p. 49, no. 10304 (1871); *Hartl. & Finsch, P. Z. S.* 1872, p. 106 (Pelew Is.); *Meyer, J. f. O.* 1873, p. 405 (Celebes); *Swinh. Ibis*, 1873, p. 424 (Shanghai market, April); *Taez. J. f. O.* 1874, pp. 332, 336 (E. Siberia); *Finsch, Journ. Mus. Godeffr.* viii. p. 35 (1875); *Rosenb. Reis. Geelvinkb.* p. 8 (1875); *Swinh. Ibis*, 1875, p. 455 (Hakodadi); *Taez. Bull. Soc. Zool. France*, i. p. 252 (1876: Kultuk); *Ramsay, Proc. Linn. Soc. N. S. W.* i. p. 189 (1877); *Ibarid & Oust. Ois. Chine*, p. 470 (1877); *Blakist. & Pryer, Ibis*, 1878, p. 221 (Yezo); *Rosenb. Malay. Archip.* pp. 278, 324, 373, 407, 563 (1878–79: Ceram; Aru Id.); *Meyer, Ibis*, 1879, p. 143 (Limbotto); *Salvad. Ann. Mus. Genov.* xviii. p. 327 (1882); *Biddulph, Ibis*, 1882, pp. 283, 287 (Gilgit, Aug., going south); *Salvad. Orn. Papuasia etc.* iii. p. 313 (1882); *Blakist. & Pryer, B. Japan*, p. 112 (1882); *Finsch, Veg. der Südsee*, p. 22 (1884: New Britain, rare visitor); *Blakist. Amended List B. Japan*, p. 11 (1884: Yezo and Japan generally); *Dyb. & Taez. Bull. Soc. Zool. France*, ix. p. 143 (1884); *Bogd. Comp. Av. Imp. Ross.* fasc. i. p. 91 (1884); *Guillem. P. Z. S.* 1885, p. 664 (Momos, Waigiou, Oct. 26); *Salvin, Cat. Strickl. Coll.* p. 610 (1882); *A. O. U. Check-l. N. Amer. B.* p. 150 (1886); *Nelson, Rep. Nat. Hist. Coll. Alaska*, p. 105, pl. vii. (1887: St. Michael's, Sept., not observed breeding); *Taez. P. Z. S.* 1888, p. 457 (Chemulpo, Corea); *Buller, B. New Zeal.* 2nd ed. ii. p. 37 (1888: S. Coast of South Island); *Seebohm, Geogr. Distr. Charadr.* p. 441 (1888); *id. B. Japan. Emp.* p. 339 (1890); *Ogilv. & Hamilton, Proc. Linn. Soc. N. S. W.* (2) v. p. 419 (1890: Malgee distr.); *Stejn. Proc. U.S. Nat. Mus.* xiv. p. 491 (1891: Japan); *Salvad. App. Orn. Papuasia, etc.* iii. p. 291 (1891); *Styan, Ibis*, 1891, p. 330 (Lower Yangtse). p. 506 (Shanghai); *Wiglesw. Abhandl. K. Mus. Dresd.* 1890-91, no. 6, p. 64 (1891); *Ground, P. Z. S.* 1892, p. 581 (Breydon, Norfolk, Aug. 30); *Southwell, Zool* 1892, pp. 356, 405; *Legge, Proc. Austr. Assoc.* 1892, p. 15; *Seebohm, Ibis*, 1893, pp. 181–185, pl. v. (Norfolk); *Taez. Mem. Acad. Imp. Sci. St. Petersb.* (7) xxxix. p. 108 (1893); *Allen, Auk*, x. p. 123 (1893).

Tringa pectoralis (*nec Say*), *Swinhoe, Ibis*, 1863, p. 97 (Northern China).

Limnocinclus acuminatus, *Gould, Handb. B. Austr.* ii. p. 254 (1865); *Ramsay, Proc. Linn. Soc. N. S. W.* i. p. 375 (1877: New Ireland); *id. P. Z. S.* 1877, p. 338 (Queensland); *Tweedd. t. c.* p. 834 (Butuan, May); *Heine & Reichen. Nomencl. Mus. Hein.* p. 329 (1890: Australia).

Tringa crassirostris (*nec Temm. & Schl.*), *Tacz. J. f. O.* 1873, p. 103.

Pelidna acuminata, *Salvad. Ucc. Borneo*, p. 328 (1874).

Tringa (Limnocinclus) acuminata, *Casteln. & Ramsay, Proc. Linn. Soc. N. S. W.* i. p. 384 (1877: Norman River, Gulf of Carpentaria); *Ramsay, op. cit.* ii. p. 198 (1878); *id. Tab. List Austr. B.* p. 20 (1888).

Actodromas acuminatus, *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 199 (1880); *Bean, op. cit.* v. p. 164 (1882: Port Clarence, Alaska); *Nelson, Cruise R. S. 'Corwin,'* p. 86 (1883); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 235 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 628 (1884); *Stejn. Bull. U.S. Nat. Mus.* no. 29, p. 115 (1885: Bering Isl.); *id. Proc. U.S. Nat. Mus.* x. p. 130 (1887: Commander Isl.).

Tringa (Actodromas) acuminata, *Palmén, Vega-Exped., Fogl.* p. 223, tab. 4 (1887).

Adult male in breeding-plumage. General colour above sandy rufous, streaked with black down the centre of the feathers, these black centres being very much more distinct on the scapulars and inner secondaries, where the rufous margins are very bright; lower back, rump, and upper tail-coverts dusky black, the lateral ones sandy rufous barred with black; lesser wing-coverts dull brown, the median coverts brown, with blackish centres and ashy-fulvous margins; greater coverts uniform dusky brown with white tips; the bastard-wing uniform brown, the primary-coverts blackish, the inner ones tipped with white; quills brown, dusky blackish at the tips and along the outer webs, the shafts for the most part white, brown towards the bases; the secondaries brown, with a little white at the base of the inner webs, and narrowly fringed with white near the tips, the inner ones a little more broadly; tail-feathers ashy brown fringed with white round the ends, the centre ones blackish and extended a little beyond the ends of the others; crown of head bright sandy rufous minutely streaked with black; lores and a distinct eyebrow white, with narrow streaks of blackish; sides of face also white with dusky streaks, the ear-coverts tinged with rufous; under surface of body white, the chin unspotted, the throat, fore-neck, and chest tinged with sandy rufous, and minutely spotted with dusky black, which sometimes takes the form of longitudinal streaks or arrow-head bars, the latter form of markings being especially distinct on the sides of the body; breast and abdomen white, the latter with a few linear streaks of black; under wing-coverts and axillaries white, those round the bend of the wing mottled with blackish bases; lower primary-coverts dusky with whitish tips; quills dusky below: "bill blackish brown, browner or reddish brown at the angle of the mouth, clear grey at the base of the lower mandible; feet yellowish ochre, tinged with olive, darker on the joints; iris dark brown" (*Dybowski*). Total length 7 inches, culmen 1·1, wing 5·4, tail 2·1, tarsus 1·2.

Adult female. Similar to the male. Total length 7 inches, wing 5·4.

Adult in winter plumage. Much browner than the summer plumage and without any rufous except, perhaps, a slight tinge on the head; the under surface of the body white, the lower throat and chest ashy fulvous with a few narrow streaks and lines of blackish, the flanks slightly washed with brown; on the under tail-coverts a few narrow mesial shaft-streaks of blackish.

Young birds. Much more rufous on the upper surface even than in the breeding plumage; the back much blacker than in any other age of the bird, intermixed with a great deal of rufous, and distinguished by the conspicuous whitish edgings to the dorsal feathers, scapulars, and inner secondaries; the wing-coverts with broad margins of sandy rufous, but the quills the same as in the adults; crown of head distinctly rufous, with longitudinal black centres to the feathers; chin white, as also the breast and abdomen, which sometimes have a slight tinge of buff; the lower throat, fore-neck, and sides of breast sandy rufous, the fore-neck and chest more ashy and uniform, so that the black shaft-streaks are confined to the lower throat; those on the sides of neck and sides of breast being a litte broader.

Hab. Eastern Siberia, Kamtchatka, the Commander Islands and Alaska, breeding in the latter localities, and passing on migration by Japan and China to the Malayan Archipelago, Australia, and New Zealand.

a, *b*. ♂ ♀ ad. sk.	Argun, Dauria, June 15 (*Dybowski*).	Seebohm Coll.
c. ♂; *d*, *e*. ♀ ad. sk.	Mouth of the Amur River, April, Aug. (*Doerries*).	Seebohm Coll.
f. ♂ juv. sk.	Hakodadi, Japan, Sept. (*H. Whitely*).	Gould Coll.
g. ♀ ad. sk.	Hakodadi, Sept. (*T. Blakiston*).	Tweeddale Coll.
h s. ♂ ♀ ad. et juv. sk.	Yokohama (*H. Pryer*).	Seebohm Coll.
t. Ad. sk.	Pekin, Aug. (*R. Swinhoe*).	Hume Coll.
u. Ad. sk.	Twainfoo, May (*R. Swinhoe*).	Seebohm Coll.
v. Ad. sk.	Shanghai	J. Webb, Esq. [P.].
w, *x*. ♂ ad. sk.	Shanghai, May (*R. Swinhoe*).	Seebohm Coll.
y b'. Ad. sk.	Amoy, April, May (*R. Swinhoe*).	Seebohm Coll.
c'. Juv. sk.	Amoy, Sept. (*R. Swinhoe*).	Seebohm Coll.
d'. ♂ ad. sk.	Butuan, Philippine Is., May (*A. H. Everett*).	Tweeddale Coll.
e'. ♀ ad. sk.	Amboina.	Wallace Coll.
f'. ♀ ad. sk.	New Britain, Dec. 12 (*O. Finsch*).	Seebohm Coll.
g'. Juv. sk.	New Ireland (*G. Brown*).	Tweeddale Coll.
h'. Ad. hiem. sk.	Australia.	J. Gould, Esq. [C.].
i'. Juv. sk.	Australia.	Purchased.
k'. ♀ juv. sk.	Australia.	Seebohm Coll.
l'. Juv. sk.	Australia.	Salvin-Godman Coll.
m'. Ad. sk.	Australia.	Sir D. Cooper [P.].
n'. Ad. st.	Port Essington.	Capt. Chambers [P.].

o'. Ad. hiem. sk.	Queensland (*J. T. Cockerell*).	Tweeddale Coll.
p'. Ad. hiem. sk.	Queensland (*J. T. Cockerell*).	Seebohm Coll.
q'–s'. Ad. et juv. sk.	Queensland (*J. T. Cockerell*).	Salvin-Godman Coll.
t'. ♂ ad. sk.	River Darling.	Seebohm Coll.
u', *v'*. Juv. sk.	New South Wales.	Gould Coll.
w'. ♀ imm. sk.	Sydney.	Seebohm Coll.
x'. Ad. hiem. sk.	South Australia.	Sir G. Grey [P.].
y', *z'*. Ad. sk.	South Australia.	Capt. Sturt [P.].
a'', *b''*. Ad. et imm. sk.	Gippsland Lakes, Victoria.	Seebohm Coll.
c''. Ad. st.	Rotness Isl., West Australia.	J. Gould, Esq. [C.].
d''. Juv. sk.	Lake near Perth, West Australia.	Gould Coll.
e''. Ad. sk.	West Australia.	Government of West Australia [P.].
f''. Juv. sk.	N.W. Australia.	J. R. Elsey, Esq. [P.].
g'', *h''*. ♂ ♀ ad. sk.	Derby, N.W. Australia (*T. H. Bowyer Bower*).	Capt. Bowyer Bower [P.].
i'', *k''*. ♂ ♀ ad. sk.	Lake Ellesmere, Canterbury, New Zealand, Dec.	Seebohm Coll.
l''. Imm. sk.	Nomuka, Tonga Islands, Oct. (*J. J. Lister*).	Seebohm Coll.
	American specimens.	
m''. ♂; *n''–u''*. ♀ ad. et juv. sk.	St. Michael's, Alaska, Aug., Sept. (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.

3. Heteropygia bairdi.

? Chorlito lomo negro, *Azara, Apunt.* iii. p. 317 (1805).

? Tringa melanota, *Vieill. N. Dict. d'Hist. Nat.* xxxiv. p. 462 (1819) (*ex Azara*); *Gray, Gen. B.* iii. p. 579 (1845); *Hartl. Ind. Azara*, p. 25 (1847).

Schœniclus schinzii (*nec Brehm*), *Gray, List Grall. Brit. Mus.* p. 105, pt. (1844: Chili).

? Pelidna dorsalis, *Licht. Nomencl. Av. Mus. Berol.* p. 92 (1854: Tropical America).

Tringa schinzii (*nec Brehm*), *Woodh. in Sitgreaves, Exped. Zuni & Col. Rivers*, p. 100 (1854).

Pelidna pectoralis (*nec Say*), *Cass. in Giliss' Exped., Birds*, p. 195 (1855).

Tringa dorsalis, *Burm. Th. Bras.* iii. p. 374 (1856); *id. Reise La Plata-Staaten*, ii. p. 503 (1861: Mendoza).

Tringa bonapartii, *Baird, B. N. Amer.* p. 722, pt. (1858); *Hayd. Trans. Am. Phil. Soc.* xii. p. 174 (1862).

Actodromas bonapartii (*nec Schl.*), *Henry, Proc. Acad. Nat. Sci. Philad.* 1859, p. 108 (New Mexico).

Actodromas bairdi, *Coues, Proc. Acad. Nat. Sci. Philad.* 1861, p. 194; *Scl. P. Z. S.* 1862, p. 369 (Mexico); *Coues, Proc. Acad. Nat. Sci. Philad.* 1866, p. 97 (Arizona); *Dall & Bann. Trans. Chic. Acad.* i. p. 292 (1869: Sitka; Kadiak; Yukon; Amak Isl.); *Stevens, U.S. Geol. Surv. Terr.* 1870, p. 966 (Wyoming); *Newton, P. Z. S.* 1871, p. 57; *Allen, Bull. Mus. C. Z.* iii. p. 182 (1872: western edge of the plains, Aug.); *Brewst. Amer. Nat.*

vi. p. 306 (1872: Boston Harbour, Aug.); *Merriam, U.S. Geol. Surv. Terr.* 1872, p. 700 (Wyoming); *Hensh. Rep. Zool. Expl. 100th Merid.* p. 455 (1875: Arizona; Colorado); *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 200 (1880); *Coues, Check-list N. Amer. B.* p. 100 (1882); *Nelson, Cruise R. S. 'Corwin,'* p. 88 (1883: Point Barrow & Siberian Coast); *Baird, Brewer, & Ridgway, Water-Birds N. Amer.* i. p. 230 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 625 (1884); *Drew, Auk*, ii. p. 18 (1885: Colorado); *Murdoch, t. c.* p. 63 (Point Barrow); *Lawr. t. c.* p. 273 (Long Isl.); *Henshaw, t. c.* p. 384 (Locust Grove, N. Y.); *Murdoch, Exped. Point Barrow*, p. 112 (1885: breeding).

Tringa maculata (*nec V.*), *Schl. Mus. Pays-Bas*, Scolopaces, p. 39, pt. (1884).

Tringi bairdi, *Scl. P. Z. S.* 1867, p. 332 (Santiago, Chili); *id. & Salv. P. Z. S.* 1868, p. 144 (Conchitas, Buenos Ayres); *Harting, Ibis*, 1870, pp. 151, 152 (Walvisch Bay); *Gray, Hand-l. B.* iii. p. 49, no. 10308 (1871); *Gurney in Anderss. B. Dam. Ld.* p. 308 (1872); *Coues, Key N. Amer. B.* p. 255 (1872); *Scl. & Salv. Nomencl. Av. Neotr.* p. 145 (1873); *iid. P. Z. S.* 1873, p. 455; *Coues, B. N.-West*, p. 484 (1874); *Ridgw. Ann. Lyc. N. Y.* x. p. 384 (1874: Illinois); *Coues, Bull. U.S. Geol. Surv.* iv. p. 640 (1878: Dakota & Montana); *Merrill, Proc. U.S. Nat. Mus.* i. p. 161 (1878: Fort Brown, Texas); *Belding, t. c.* p. 395 (California); *Maynard, B. East. N. Amer.* p. 380 (1879); *Scl. & Salv. P. Z. S.* 1879, p. 547 (Medellin, U.S. Colombia); *Scl. P. Z. S.* 1880, p. 404 (Tarapacá); *Seton, Auk*, iii. p. 151 (1886: Western Manitoba); *A. O. U. Check-list N. Amer. B.* p. 151 (1886); *Tacz. Orn. Pérou*, iii. p. 359 (1886); *Ridgw. Man. N. Amer. B.* p. 157 (1887); *Palmén, Vega-Exped., Fogelf.* tab. iv. (1887); *Nelson, Rep. Nat. Hist. Coll. Alaska*, p. 109 (1887: St. Michael's, Aug.); *Lloyd, Auk*, iv. p. 186 (1887: West. Texas); *Seebohm, Geogr. Distr. Charad.* p. 444 (1888); *Cooke, Bull. U.S. Agric.* ii. p. 93 (1888: Mississippi Valley); *Beckh. Proc. U.S. Nat. Mus.* x. p. 652 (1888: S.W. Texas); *Scl. & Huds. Argent. Orn.* ii. p. 184 (1889); *Green, Auk*, vi. p. 68 (1889: Onondaga Lake, N. Y.); *Averill, t. c.* p. 189 (Long Isl.); *Thompa. Proc. U.S. Nat. Mus.* xiii. p. 500 (1890: Manitoba); *Woodruff, Auk*, vii. p. 89 (1890); *Todd, t. c.* p. 240 (Pennsylvania); *McFarlane, op. cit.* xiv. p. 426 (1891: Arctic America); *James, New List Chilian B.* p. 12 (1892); *Attwater, Auk*, ix. p. 345 (1892: San Antonio, Texas); *McCormick, t. c.* p. 367 (Northern Ohio); *Hatch, B. Minnesota*, p. 126 (1892); *Allen, Auk*, x. p. 123 (1893); *Tacz. Mém. Acad. Imp. Sci. St. Petersb.* (7) xxxix. p. 922 (1893); *Richmond & Knowlton, Auk*, xi. p. 301 (1894: Montana); *Mathews, t. c.* p. 325 (Montana); *Cherrie, Auk*, xii. p. 87 (1895: Costa Rica); *Taylor, t. c.* p. 179 (Long Isl.); *Thorne, t. c.* p. 213 (Montana); *A. O. U. Check-list N. Amer. B.* 2nd ed. p. 88 (1895).

Heteropygia bairdi, *Heine & Reichen. Nomencl. Mus. Hein.* p. 329 (1890).

Adult male in winter plumage. General colour above dusky brown mottled with darker centres to the feathers, with somewhat of a sandy-isabelline tint pervading the upper surface; lower back, rump, and central upper tail-coverts uniform dusky brown, the latter rather darker and tipped with white, the lateral upper tail-coverts white, with either transverse bars or horseshoe-shaped

marks of dusky brown; tail uniform dusky brown, the two centre feathers rather darker brown than the remainder, all of which have whitish shafts; wing-coverts brown with sandy isabelline edgings, the greater series darker and margined with white; bastard-wing and primary-coverts blackish; quills light brown, the primaries darker at the tips of the inner webs and along the outer webs; the secondaries slightly fringed with white, the inner ones more distinctly towards the outer webs, the shafts of the quills whitish, those of some of the primaries being browner; the innermost secondaries brown, with light edgings like the back; crown of head brown, mottled with dark centres to the feathers; the hind-neck more isabelline ashy and the spots duller; base of forehead and eyebrow white; a dusky loral streak; ear-coverts ashy-whitish minutely spotted with brown; cheeks and under surface of body pure white; the fore-neck and chest sandy isabelline, minutely spotted with dusky centres to the feathers, in the form of streaks or spots; the sides of the body white and uniform, the thighs slightly tinged with sandy buff; axillaries and under wing-coverts white, those near the edge of the wing with dusky bases: "bill black; legs and feet slate-black; iris dark brown" (*R. Ridgway*). Total length 6·5 inches, culmen 1·95, wing 4·7, tail 1·7, tarsus 0·8.

Adult male in breeding-plumage. Very much more sandy than in the winter plumage, and varied with black bases to the feathers, which give a distinctly mottled appearance; the rump and upper tail-coverts distinctly blackish with sandy-coloured margins; the tail and wings as in the winter plumage, except that the innermost secondaries have sandy-buff edgings; head like the back, sandy isabelline with dusky centres to the feathers; remainder of the plumage as in winter, but with considerably more sandy colour on the neck-band, where the small streaks and lines are very distinct. Total length 6·5 inches, culmen 0·9, wing 5, tail 2, tarsus 0·9.

Adult female. Similar to the male. Total length 6·5 inches, wing 5·2.

Young. Similar to the summer plumage of the adults, but not quite so sandy-coloured, the feathers being mostly fringed with whitish; the lower throat and fore-neck sandy-coloured, with very few of the narrow streaks which characterize the plumage of the adults.

Hab. Interior of North America, from Alaska southwards through Canada and the Central United States to Mexico, thence south through Western South America from Colombia to Chili. Accidental in Damara Land, S.W. Africa.

a. ♂ ad. sk.	North America.	Seebohm Coll.
b. Ad. sk.	N.W. America.	Capt. Collinson [P.].
c. Juv. sk.	Alaska (*E. W. Nelson*: *Henshaw Coll.*).	Salvin-Godman Coll.
d. ♀ ad. sk.	Point Barrow, Alaska, June 20 (*J. Murdoch*: *Henshaw Coll.*).	Salvin-Godman Coll.
e. Ad. sk.	Fort Rae, Great Slave Lake, June 8 (*L. Clarke*).	Salvin-Godman Coll.
f, *g*. ♂ ♀ juv. sk.	Fort Simpson, July.	B. R. Ross, Esq. [P.].

h. Imm. sk.	49th Parallel, Aug. 7 (*G. A. Dawson*).	N. A. Bound. Comm.
i, k. Imm. sk.	British Columbia.	J. K. Lord, Esq. [P.].
l. ♂ imm. sk.	Chief Mountain, Dakota, Aug. 13 (*E. Coues: Henshaw Coll.*).	Salvin-Godman Coll.
m. ♂ imm. sk.	Locust Grove, New York, Aug. 18 (*Henshaw Coll.*).	Salvin-Godman Coll.
n-p. ♂ imm. sk.	Ipswich, Massachusetts, Aug., Sept. (*C. J. Maynard*).	Seebohm Coll.
q. Imm. sk.	Boston Harbour, Massachusetts, Aug. 27 (*Henshaw Coll.*).	Salvin-Godman Coll.
r. Imm. sk.	Chicago, Illinois (*E. W. Nelson*: *Henshaw Coll.*).	Salvin-Godman Coll.
s-u. Ad. et imm. sk.	California.	Seebohm Coll.
v. ♂ imm. sk.	Lake Piedre, Colorado, Sept. 13 (*Henshaw Coll.*).	Salvin-Godman Coll.
w. ♀ imm. sk.	Apache, Arizona, Aug. 29 (*Henshaw Coll.*).	Salvin-Godman Coll.
x, y. Imm. sk.	Mexico (*W. B. Richardson*).	Salvin-Godman Coll.
z, a'. Ad. sk.	Mexico.	Seebohm Coll.
b'. ♀ ad. sk	Tres Marias Id., W. Mexico, May (*A. Forrer*).	Salvin-Godman Coll.
c'. Ad. sk.	Near the City of Mexico.	Salvin-Godman Coll.
d'. Ad sk.	Aguas Calientes, Aug. (*W. B. Richardson*).	Salvin-Godman Coll.
e', f'. ♂ ♀ ad. et imm. sk.	Zacatecas, Aug. 16 (*W. B. Richardson*).	Salvin-Godman Coll.
k', l'. ♂ ♀ ad. sk.	Puebla, May 19 (*Ferrari-Perez*).	Salvin-Godman Coll.
m'. ♀ imm. sk.	Las Vigas, Canton de Jalapa, Sept. (*Ferrari-Perez*).	Salvin-Godman Coll.
n'. ♂ ad. sk.	Medellin, U.S. Colombia (*T. K. Salmon*).	Salvin-Godman Coll.
o'. Ad. sk.	Ecuador.	Salvin-Godman Coll.
p'. Ad. sk.	Colta, Ecuador (*C. Buckley*).	Salvin-Godman Coll.
q'. Ad. sk.	Matagan, Ecuador (*C. Buckley*).	Salvin-Godman Coll.
r'. Ad. sk.	Xeberos, E. Peru, Oct. (*E. Bartlett*).	Salvin-Godman Coll.
s'. ♀ ad. sk.	Tambo Valley, S.W. Peru, Oct. 26 (*H. Whitely*).	Salvin-Godman Coll.
t'. ♀ ad. sk.	Tarapacá, Feb. (*A. A. Lane*).	Berkeley James Coll.
u'. ♀ ad. sk.	Cancosa, Tarapacá, Jan. 28 (*A. A. Lane*).	Berkeley James Coll.
v'-x'. ♂ ♀ ad. sk.	Sacaya, Tarapacá, Feb., March (*A. A. Lane*).	Berkeley James Coll.
y'. ♀ ad. sk.	Huasco, Tarapacá, Feb. (*A. A. Lane*).	Berkeley James Coll.
z'. Ad. sk.	Chili.	T. Bridges, Esq. [C.].
a''. ♀ ad. sk.	Santiago, Chili (*Leybold*).	Salvin-Godman Coll.
b'', c''. ♂ ad.: *d''.* ♀ ad. sk.	Santiago, Chili (*Reed*).	Seebohm Coll.
e''. ♂ ad. sk.	Pampas Argentinas, Chili (*Leybold*).	Salvin-Godman Coll.
f''. ♀ ad. sk.	Talcahuano, Chili, Sept.	Dr. Coppinger [C.].

4. Heteropygia fuscicollis *.

Chorlito pestorejo pardo, *Azara, Apunt.* iii. p. 322 (1805).

Tringa fuscicollis, *Vieill. N. Dict. d'Hist. Nat.* xxxiv. p. 461 (1819, *ex Azara*); *Gray, Gen. B.* iii. p. 580 (1845); *Hartl. Ind. Azara*, p. 25 (1847); *Gray, Hand-l. B.* iii. p. 50, no. 10318 (1871); *Dresser, B. Eur.* viii. p. 15, pl. 547 (1873); *Scl. & Salv. Nomencl. Av. Neotr.* p. 145 (1873); *Coues, B. N.-West*, p. 487 (1874); *Scl. P. Z. S.* 1876, p. 14 (Santa Lucia, W. I.); *Scl. & Salv. P. Z. S.* 1878, p. 438 (Falkland Is.); *Merrill, Proc. U.S. Nat. Mus.* i. p. 161 (1878: Fort Brown, Texas); *Maynard, B. East. N. Amer.* p. 382 (1879); *Allen, Bull. Nutt. Orn. Club*, v. p. 169 (1880: Santa Lucia); *Rodd, B. Cornwall*, p. 105 (1880: Penzance, Oct.); *Scl. & Salv. Rep. Voy. Chall., Zool.* ii. *Birds*, p. 109 (1880: Falkland Is.); *Sharpe, P. Z. S.* 1881, p. 16 (Peckett Harbour, Jan. 4); *A. & E. Newt. Handb. Jamaica*, p. 116 (1881); *B. O. U. List Brit. B.* p. 168 (1883); *Saunders, ed. Yarrell's Brit. B.* iii. p. 373 (1883); *White, P. Z. S.* 1883, p. 42 (Buenos Ayres); *Barrows, Auk*, i. p. 314 (1884: Lower Uruguay); *A. O. U. Check-list N. Amer. B.* p. 151 (1886); *Seton, Auk*, iii. p. 151 (1886: Western Manitoba); *Berlepsch, J. f. O.* 1887, p. 36 (Paraguay); *Nelson, Rep. Nat. Hist. Coll. Alaska*, p. 109 (1887: St. Michael's, May); *Cory, Auk*, iv. p. 314 (1887: Antilles); *Ridgw. Man. N. Amer. B.* p. 157 (1887); *Cooke, Bull. U.S. Agric.* ii. p. 93 (1888: Mississippi Valley); *Saunders, Man. Brit. B.* p. 567 (1889); *Salvin, Ibis*, 1889, p. 379 (Cozumel Isl.); *Feilden, t. c.* p. 494 (Barbados, July to Nov.); *Cory, B. West Indies*, p. 235 (1889); *Scl. & Huds. Argent. Orn.* ii. p. 185 (1889); *Scott, Auk*, vi. p. 157 (1889: Tarpon Springs); *Cantwell, t. c.* p. 340 (Minnesota); *Ridgw. Proc. U.S. Nat. Mus.* xii. p. 137 (1889: Gregory Bay); *Warren, B. Pennsylv.* 2nd ed. p. 85 (1890); *Palmer, Proc. U.S. Nat. Mus.* xiii. p. 260 (1890: Mingan Isl., Canada); *Thomps. t. c.* p. 500 (Manitoba); *McFarlane, op. cit.* xiv. p. 426 (1891: Arctic

---

* Heteropygia cooperi.

Tringa cooperi, *Baird, B. N. Amer.* p. 716, pl. 89, fig. 1 (1858: Long Island); *Gray, Hand-l. B.* iii. p. 49, no. 10309 (1871); *Coues, B. N.-West*, p. 491 (1874); *Ridgw. Man. N. Amer. B.* p. 157 (1887).

Actodromas (Heteropygia) cooperi, *Coues, Proc. Acad. Nat. Sci. Philad.* 1861, p. 202.

Tringa (Actodromas) cooperi, *Coues, Key N. Amer. B.* p. 255 (1872); *A. O. U. Check-list N. Amer. B.* p. 352 (1886).

Actodromas cooperi, *Coues, Check-list N. Amer. B.* p. 101 (1882); *id. Key N. Amer. B.* p. 627 (1884); *Baird, Brewer, & Ridgway, Water-Birds N. Amer.* i. p. 227 (1884).

The single specimen on which this species was founded was shot on Long Island in May 1833, and still remains unique. It was at first compared with the Knot, and Mr. Seebohm considered it to be synonymous with *Tringa canutus*. In his 'Manual,' however, Mr. Ridgway compares it with *T. fuscicollis*, from which it is said to differ by the length of its wing, which exceeds 5·5 inches in length. "Similar to the corresponding stages of *T. fuscicollis*, but the ground-colour of the upper parts brownish grey, with only the least trace of ochraceous on some of the longer scapulars; the upper tail-coverts conspicuously varied with broad V-shaped marks of greyish dusky. Total length about 9·50, wing 5·80, culmen 1·25, tarsus 1·20" (*Ridgway*).

America); ? *Oust. Sci. Miss. Cap Horn, Ois.* p. B 127 (1891); *Graham Kerr, Ibis*, 1892, p. 151 (Pilcomayo); *Holland, t. c.* p. 211 (Estancia Espartilla); *Scott, Auk*, ix. p. 13 (1892: Jamaica); *id. t. c.* p. 212 (Florida); *Cory, Cat. B. West Indies*, p. 93 (1892: Bahamas: Greater and Lesser Antilles); *Allen, Bull. Amer. Mus.* v. p. 150 (1893: Mattogrosso); *id. Auk*, x. p. 123 (1893); *Bagg, Auk*, xi. p. 163 (1894: Oneida Lake); *Brown, t. c.* p. 250 (Virginia).

? Tringa campestris, *Licht. Verz. Doubl.* p. 74 (1823: Brazil; Montevideo); *Burm. Th. Bras.* iii. p. 374 (1856).

Pelidna cinclus, var., *Say, in Long's Exped. Rocky Mount.* i. p. 172 (1823).

Tringa schinzii (*nec Brehm*), *Bp. Ann. Lyc. N. Y.* ii. p. 317 (1826); *Swains. Faun. Bor.-Amer., Birds*, p. 384 (1831: Saskatchewan, June); *Bp. Amer. Orn.* iv. p. 69, pl. 24. fig. 2 (1833); *Audub. Orn. Biogr.* iii. p. 529, pl. cclxxviii. (1835); *Gould, B. Eur.* iv. pl. 330 (1837); *Temm. Man. d'Orn.* iv. p. 401 (1840); *Audub. B. Amer.* 8vo, v. p. 275, pl. 335 (1842); *Macgill. Man. Brit. B.* ii. p. 72 (1842); *Giraud, B. Long Isl.* p. 241 (1844); *Dekay, Zool. New York*, p. 241, pl. 84. fig. 101 (1844); *Gray, Gen. B.* iii. p. 570 (1845); *Rodd, Zool.* 1840, p. 1554 (Penzance); *Lembeye, Av. Cuba*, p. 98 (1850); *Thomps. B. Irel.* ii. p. 297 (1850); *Macgill. Brit. B.* iv. p. 222 (1852); *Putnam, Proc. Essex Inst.* i. p. 217 (1856: Essex Co., Mass.); *Brewer, Proc. Bost. Soc. Nat. Hist.* vii. p. 308 (1860: Cuba); *Lawr. Proc. U.S. Nat. Mus.* i. p. 451 (1878: Guadeloupe).

Schinz's Sandpiper, *Nuttall, Man. Orn.* ii. p. 100 (1834).

Pelidna schinzi (*nec Brehm*), *Bp. Comp. List B. Eur. & N. Amer.* p. 50 (1838); *Gundl. J. f. O.* 1856, p. 421 (Cuba); *Reink. Ibis*, 1861, p. 10.

Schoeniclus schinzi (*nec Brehm*), *Gray, List Grall. Brit. Mus.* p. 105 (1844: West Indies; Port S. Julian, Patagonia).

Tringa bonapartii, *Schl. Rev. Crit.* p. lxxxix (1844); *Yarrell, Brit. B.* 2nd ed. ii. p. 74 (1845: Shropshire); *Thomps. Ann. & Mag. Nat. Hist.* xviii. p. 311 (1846: Ireland); *Baird, B. N. Amer.* p. 722 (1858); *Abbott, Ibis*, 1861, p. 156 (Falkland Is.); *Scl. P. Z. S.* 1861, pp. 70, 80 (Jamaica); *Blakiston, Ibis*, 1863, p. 132 (Saskatchewan; Mackenzie River); *Gray, Cat. Brit. B.* p. 107 (1863: Shropshire & Ireland); *Schl. Mus. Pays-Bas*, Scolopaces, p. 42 (1864); *Scl. & Salv. P. Z. S.* 1868, p. 144 (Conchitas); *Gray, Hand-l. B.* iii. p. 40, no. 10307 (1871); *Pelz. Orn. Bras.* pp. 331, 457 (1871: Ypanema, May to Sept.; Cuyaba, Sept.; Caiçara, Oct.; Engenho do Gama, Sept.; Matagrosso, Aug., Oct.; Maritatuba, May); *Coues, Key N. Amer. B.* p. 255 (1872); *Harting, Handb. Brit. B.* p. 142 (1872); *Scl. & Salv. P. Z. S.* 1873, pp. 186, 455 (Cosnipata, Peru); *Taez. op. cit.* 1874, p. 500 (Central Peru); *Ridgw. Ann. Lyc. N. Y.* x. p. 384 (1874: Illinois); *Moore, Proc. Bost. Soc. Nat. Hist.* xix. p. 241 (1877: Fortune Isl., Bahamas, Aug.); *Reid, Zool.* 1877, p. 477 (Bermudas); *Seebohm, Hist. Brit. B.* iii. p. 189 (1885); *id. Geogr. Distr. Charadr.* p. 445 (1888).

Pelidna americana, *Brehm, Naumannia*, 1855, p. 292.

Pelidna melanotos (*nec Vieill.*), *Bp. C. R.* xliii. p. 598 (1856); *Degl. & Gerbe, Orn. Eur.* ii. p. 301 (1867).

Actodromas fusicollis, *Bp. C. R.* xliii. p. 596 (1856); *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 109 (1880); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 227 (1884); *Coues, Key N. Amer. B.*

2nd ed. p. 627 (1884); *Murdoch, Auk*, ii. p. 63 (1885: Point Barrow); *Stejn. Bull. U.S. Nat. Mus.* no. 29, p. 121 (1885); *Turner, Proc. U.S. Nat. Mus.* vii. p. 246 (1885: Koksoak River, Labrador); *Agersb. t. c.* p. 286 (S.E. Dakota); *Murdoch, Exped. Point Barrow, Birds*, p. 112 (1885: straggler).

Actodromas (Heteropygia) bonapartii, *Coues, Proc. Acad. Nat. Sci. Philad.* 1861, pp. 199, 232.

Actodromas bonapartii, *Boardm. Proc. Bost. Soc. Nat. Hist.* ix. p. 128 (1862: Calais, Maine); *Verrill, t. c.* p. 139 (Anticosti, summer); *id. Proc. Essex Inst.* iii. p. 158 (1864: Oxford Co., Maine); *Allen, op. cit.* iv. p. 87 (1864: Massachusetts); *Coues, Ibis*, 1865, p. 158 (Arizona); *Gundl. Repert Fisico-Nat. Cuba*, i. p. 356 (1866); *Lawr. Ann. Lyc. N. Y.* viii. p. 294 (1866); *Coues, Proc. Ess. Inst.* v. p. 249 (1867: New England); *id. Proc. Bost. Soc. Nat. Hist.* xii. p. 122 (1868: S. Carolina); *Allen, Bull. Mus. C. Z.* ii. p. 356 (1871: Florida); *Coues, Proc. Acad. Nat. Sci. Philad.* 1871, p. 30 (N. Carolina); *id. Amer. Nat.* v. p. 197 (1871: Republican Fork, May); *Gundl. J. f. O.* 1875, p. 328 (Cuba); *id. Orn. Cubana*, p. 176 (1876); *Coues, Check-list N. Amer. B.* p. 101 (1882); *Stearns, Proc. U.S. Nat. Mus.* vi. p. 119 (1883: Labrador).

Tringa melanotus (*nec Vieill.*), *Newt. List B. Eur. Blasius*, p. 19 (1862: England); *Léot. Ois. Trinid.* p. 472 (1866).

Pelidna bonapartii, *Gould, B. Gt. Brit.* iv. pl. 71 (1873).

Adult male in winter plumage. Similar to *H. bairdi*, and having the same black feet and toes, but distinguished by its slightly smaller size and its more uniform ashy-grey colour; there is also decidedly more white on the rump and upper tail-coverts, the white generally forming a band between the lower back and the tail: this is not, however, always a distinguishing feature, as the central upper tail-coverts are blackish like the tail-feathers, although generally hidden by the other white upper tail-coverts; the sides of the body are not pure white, but are marked or mottled with brown: "bill and feet dusky; iris brown" (*J. J. Audubon*). Total length 6·5 inches, culmen 1, wing 4·7, tail 1·75, tarsus 0·9.

Adult male in summer plumage. Much more rufous than in winter, the feathers being black, broadly bordered with rufous; the upper tail-coverts white, with a few dusky marks on the central and lateral ones; the head rufous, with streaks of black; base of forehead, eyebrows, and sides of face white, narrowly lined with blackish; the upper edge of the ear-coverts rufous; chin white, as also the abdomen and under tail-coverts; the throat, fore-neck, and chest being very faintly tinged with sandy buff and minutely streaked or spotted with black, the spots more distinct on the sides of the breast, which are more strongly washed with sandy buff, the spots continued down the sides of the body and flanks, where they are somewhat broken up and take the form of streaks, arrow-head spots, or even bars. Total length 7 inches, culmen 0·9, wing 4·85, tail 2, tarsus 0·9.

Adult female in summer plumage. Similar to the male. Total length 6·3 inches, culmen 0·95, wing 4·7, tail 1·8, tarsus 0·9.

Young. Similar to the summer plumage of the adults, being

rufous above with black centres to the feathers, and distinguished by the very broad white edges to the scapulars and feathers of the back; throat and chest shaded with light brown and obscurely streaked with dusky; the sides of the body also mottled and washed with light brown.

Hab. Eastern Province of North America, breeding in the high north and passing south by the Eastern coast of Central America and the West India Islands to South America as far as Patagonia and the Falkland Islands.

a, *b*. Ad. sk.	N.W. America.	Capt. Collinson [P.].
c–*f*. Ad. et imm. sk.	N. America.	Purchased.
g. ♂ ad. sk.	Republican Fork, Dakota, May 25 (*E. Coues*).	Seebohm Coll.
h. ♂ ad. sk.	Groswater Bay, July 31 (*E. Coues*).	Gould Coll.
i. Ad. sk.	Groswater Bay, July 30 (*E. Coues*).	Seebohm Coll.
k. ♂ ad. sk.	Mingan Id., S. Labrador, Aug. 11 (*Henshaw Coll.*).	Salvin-Godman Coll.
l. ♂ ad. sk.	White Isl., Canada Bay, Aug. 2 (*Henshaw Coll.*).	Salvin-Godman Coll.
m. ♀ ad. sk.	Musquash, New Brunswick, Oct. 28 (*H. E. Dresser*).	Salvin-Godman Coll.
n. ♂ ad. sk.	Cambridge, Massachusetts, Oct. 20 (*Henshaw Coll.*).	Salvin-Godman Coll.
o. Ad. sk.	Ipswich, Massachusetts, Oct. 30 (*Henshaw Coll.*).	Salvin-Godman Coll.
p. ♂ ad.; *q*, *r*. ♀ ad. sk.	Ipswich, Massachusetts, Aug. to Oct. (*C. J. Maynard*).	Seebohm Coll.
s. ♀ ad. sk.	Massachusetts, spring (*Henshaw Coll.*).	Salvin-Godman Coll.
t. ♀ ad. sk.	Waukegan, Illinois, June 9 (*E. W. Nelson*: *Henshaw Coll.*).	Salvin-Godman Coll.
u. ♀ ad. sk.	Mt. Carmel, Illinois, May (*H. Skinner*).	Seebohm Coll.
v. ♀ ad. sk.	Tarpon Springs, Florida, June 12 (*W. S. Dickinson*).	Salvin-Godman Coll.
w. ♀ ad. sk.	Corpus Christi Pass, Texas, May 9 (*F. B. Armstrong*).	Salvin-Godman Coll.
x, *y*. ♀ ad. sk.	Brownsville, Texas, May (*F. B. Armstrong*).	Salvin-Godman Coll.
z. ♀ imm. sk.	Mexico (*Bocard*).	Seebohm Coll.
a'. ♀ ad. sk.	Tizimin, Northern Yucatan, April 16 (*G. F. Gaumer*).	Salvin-Godman Coll.
b', *c'*. Ad. sk.	Cozumel Island (*G. F. G.*).	Salvin-Godman Coll.
d'. ♂ ad. sk.	Monotombo, Nicaragua, May (*W. B. Richardson*).	Salvin-Godman Coll.
e'. ♀ ad. sk.	Lion Hill, Panama (*J. McLennan*).	Salvin-Godman Coll.
f'. Imm. sk.	Santa Lucia, West Indies (*Semper*).	Salvin-Godman Coll.
g'. Imm. sk.	St. Vincent, W. I., Aug. (*D. W. Smith*).	Salvin-Godman Coll.

h', *i'*. ♂ ♀ ad. sk.	Cosnipata, Peru, May 10 (*H. Whitely*).	Salvin-Godman Coll.
k'. ♂ ad. sk.	Cosnipata, May 10 (*H. W.*).	Seebohm Coll.
l'. Ad. sk.	Rio Tocantins, Brazil, Sept. (*A. R. Wallace*).	Salvin-Godman Coll.
m'. ♂ ad. sk.	Ypanema, Brazil, Nov. 12 (*J. Natterer*).	Salvin-Godman Coll.
n'. ♂ imm. sk.	Chapada, Mattogrosso, Oct. 6 (*H. H. Smith*).	Salvin-Godman Coll.
o'. ♂ ad. sk.	Santa Catarina, Brazil, Aug. (*Capt. Harrison*).	Seebohm Coll.
p', *q'*. Ad. sk.	Colonia, Rio de la Plata, June (*Capt. Harrison*).	Seebohm Coll.
r'. ♂ ad. sk.	Conchitas, Buenos Ayres (Sm. no. 45811) (*W. H. Hudson*).	Salvin-Godman Coll.
s', *t'*. Ad. sk.	Buenos Ayres, Oct., April.	H. Durnford, Esq. [C.].
u'. Ad. sk.	Rio Parana, Sept. 15 (*M. Campbell*).	Seebohm Coll.
v', *w'*. Ad. sk.	Chupat, Patagonia, Nov.	H. Durnford, Esq. [C.].
x'. Ad. sk.	Port San Julian, Patagonia.	Sir W. Burnett & Capt. Fitzroy [P.].
y'. ♂ ad. sk.	Peckett Harbour, Straits of Magellan, Jan.	Dr. Coppinger [C.].
z', *a''*. ♂ ♀ ad. sk.	Falkland Islands (*Leconte*).	Seebohm Coll.
b'', *c''*. Ad. sk.	Falkland Islands (*Leconte*).	Salvin-Godman Coll.
d''. ♂ ad. sk.	Falkland Islands.	Voy. H.M.S. 'Challenger.'
e'. Ad. sk.	Falkland Islands.	Antarctic Exped.

65. ARQUATELLA.

	Type.
Arquatella, *Baird, B. North America*, p. 717 (1858) ..	A. maritima.
Actia, *Heine, in Heine & Reichen. Nomencl. Mus. Hein.* p. 329 (1890).....	A. maritima.

Range. Resident in the Arctic Regions of both hemispheres, migrating in winter to the temperate countries of both continents, but never journeying very far south.

1. Arquatella maritima.

Selninger Sandpiper, *Lath. Gen. Syn.* iii. pt. 1, p. 173 (1785).

Black Sandpiper, *Lath. Gen. Syn. Suppl.* i. p. 251 (1787: Lincolnshire).

Tringa maritima, *Gm. Syst. Nat.* i. p. 678 (1788); *Markwick, Trans. Linn. Soc.* iv. p. 22 (1795: Bexhill, Sussex); *E. Sabine, op. cit.* xii. p. 532 (1819: Hare Isl., June; Possession Bay, Sept.); *Vieill. N. Dict. d'Hist. Nat.* xxxiv. p. 471 (1819); *Temm. Man. d'Orn.* ii. p. 619 (1820); *E. Sabine in Parry's 1st Voy.*, App. p. cci (1824: Davis' Straits and Baffin's Bay, breeding); *Richardson in Parry's 2nd Voy.* p. 354 (1824: Winter Isl., June); *J. C. Ross in Parry's 3rd Voy.* p. 101 (1826: Port Bowen, June); *Werner, Atlas, Grall.* pl. ii. (1827); *J. C. Ross in Parry's Narrative*, p. 194 (1828: Shores of Hecla Cove); *Roux, Orn. Prov.* pl. 284 (1830); *Brehm,*

Vög. Deutschl. p. 651 (1831); *Swains. Faun. Bor.-Amer., Birds*, p. 382 (1831: Hudson's Bay); *Less. Traité d'Orn.* p. 558 (1831); *Naum. Vög. Deutschl.* vii. p. 467, tab. 188 (1834); *Jenyns, Man. Brit. Vertebr.* p. 211 (1835); *Audub. Orn. Biogr.* iii. p. 558, pl. 284. fig. 1 (1835); *J. C. Ross in Ross' 2nd Voy., Nat. Hist.* p. xxii (1835: Fury Point; Melville Isl.); *Gould, B. Eur.* iv. pl. 334 (1837); *Bp. Comp. List B. Eur. & N. Amer.* p. 49 (1838); *Crespon, Orn. Gard*, p. 413 (1840); *Keys. & Blas. Wirb. Eur.* pp. lxxvi, 214 (1840); *Nordm. in Démid. Voy. Russ. Mérid.* iii. p. 241 (1840); *Selys-Longch. Faun. Belge*, p. 126 (1842); *Audub. B. Amer.* 8vo, v. p. 261, pl. 330 (1842); *Giraud, B. Long Isl.* p. 236 (1844); *Schl. Rev. Crit.* p. lxxxviii (1844); *Mühle, Beitr. Orn. Griechenl.* p. 104 (1844); *Gray, List Grall. Brit. Mus.* p. 104 (1844); *id. Gen. B.* iii. p. 579 (1845); *Holböll, Faun. Grönl.* p. 39 (1846); *Blyth, Cat. B. Mus. As. Soc.* p. 269 (1849); *Reichenb. Grall.* tab. 73. figs. 621–623 (1850); *Thomps. B. Irel.* ii. p. 303 (1850); *Macgill. Brit. B.* iv. p. 197 (1852); *Kjærb. Danm. Fugle*, tab. 34, *Suppl.* pl. xv. fig. 3 (1852); *Schl. Vog. Nederl.* pl. 229 (1854); *Licht, Nomencl. Av.* p. 92 (1854); *Bp. C. R.* xliii. p. 596 (1856); *Putnam, Proc. Ess. Inst.* i. p. 216 (1856: Essex Co., Massachusetts, winter); *Hewits. Eggs Brit. B.* ii. p. 366, pl. ciii. (1856); *Sundev. Sv. Fogl.* tab. xlii. fig. 5 (1859); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 466 (1859); *Linderm. Vög. Griechenl.* p. 142 (1860); *Schl. Dier. Nederl. Vogels*, pl. 24. figs. 3, 4 (1861); *Reinh. Ibis*, 1861, p. 11 (Greenland); *F. & P. Godman, t. c.* p. 90 (Bödo, Norway); *Newton in Baring-Gould's Iceland*, p. 413 (1863: breeding in June); *Gray, Cat. Brit. B.* p. 166 (1863); *Malmgren, Ibis*, 1863, p. 101, 1864, p. 384; *Schl. Mus. Pays-Bas*, Scolopaces, p. 30 (1864); *Newton, Ibis*, 1865, p. 505 (Spitsbergen); *Godman, Ibis*, 1866, pp. 101, 107 (Azores); *Baird, Ibis*, 1867, p. 286 (Greenland); *Degl. & Gerbe, Orn. Eur.* ii. p. 192 (1867); *Borggr. Vogelf. Norddeutschl.* p. 117 (1869); *Doderl. Avif. Sicil.* p. 188 (1869); *Droste, Vogelw. Borkum*, p. 214 (1869); *Godman, Azores*, p. 35 (1870); *Gillett, Ibis*, 1870, p. 306 (Novaya Zemlya); *Gray, Hand-l. B.* iii. p. 49, no. 10302 (1871); *Harting, P. Z. S.* 1871, p. 116 (Arctic America); *R. Gray, B. West Scotl.* p. 325 (1871); *Harting, Handb. Brit. B.* p. 48 (1872); *Feilden, Zool.* 1872, p. 3250 (Faroe Isl, breeding); *Heugl. Ibis*, 1872, p. 62 (Novaya Zemlya); *Coues, Key N. Amer. B.* p. 256 (1872); *Brooke, Ibis*, 1873, p. 339 (Sardinia); *Coues, B. N.-West*, p. 488 (1874); *Saxby, B. Shetl.* p. 211 (1874); *Fallon, Ois. Belg.* p. 170 (1875); *Tacz. Bull. Soc. Zool. France*, i. p. 252 (1876); *Seebohm, Ibis*, 1882, p. 381 (Archangel); *Booth, Rough Notes*, ii. (1881–1887); *Chapm. Ibis*, 1884, p. 99 (Spain, Sept.); *Bogd. Consp. Av. Imp. Ross.* p. 90 (1884); *Seebohm, Hist. Brit. B.* iii. p. 192, pl. 31 (1885); *Pleske, Uebers. Säug. & Vög. Kola Halbins.* p. 350 (1886); *Ridgw. Man. N. Amer. B.* p. 153 (1887); *Dutcher, Auk*, v. p. 178 (1888: Long Isl.); *Scott, t. c.* p. 184 (Florida); *Seebohm, Geogr. Distr. Charadr.* p. 428 (1888); *Cooke, Bull. U. S. Agric.* ii. p. 92 (1888: Mississippi Valley); *Reichen. Syst. Verz. Vög. Deutschl.* p. 49 (1889); *Scott, Auk*, vi. p. 156 (1889: Key West, Florida); *Chamberlain, t. c.* p. 217 (S. Greenland); *Brusina, Metr. etc. (Orn. Croat.)*, p. 88 (1890); *Warren, B. Pennsylv.* p. 84 (1890); *Collett, Ibis*, 1890, p. 467 (Trondhjem, July, breeding on the Mts.); *Gätke, Vogelw. Helgol.* p. 518 (1891); *Hagerup, B. Greenl.* p. 54 (1891: resident, breeding); *Frivaldsky, Av. Hung.* p. 146 (1891); *Madarász, Erläut. Anast. Ungar. Vogelf.* p. 110 (1891); *Seebohm,*

Ibis, 1892, p. 25 (Heligoland): *Hartert, t. c.* p. 515 (East Prussia) *Scott, Auk*, ix. p. 212 (1892: Florida); *Fatio & Studer, Cat distr. Ois. Suisse*, p. 48 (1892); *Allen, Auk*, x. p. 123 (1893) *Elliot, N. Amer. Shore-Birds*, p. 66, cum tab. (1895); *Schalow J. f. O.* 1895, p. 470 (West Greenland).

Tringa lincolniensis, *Lath. Ind. Orn.* ii. p. 734 (1790: Lincolnshire); *Vieill. N. Dict. d'Hist. Nat.* xxxiv. p. 469 (1819).

Tringa nigricans, *Montagu, Trans. Linn. Soc.* iv. p. 40, pl. 2. fig. 2 (1796); *Leach, Syst. Cat. Mamm. &c. Brit. Mus.* p. 30 (1816); *Brehm, Vög. Deutschl.* p. 652 (1831); *Irby, Orn. Straits Gibr.* p. 171 (1875).

Quebec Sandpiper, *Lath. Gen. Syn. Suppl.* ii. p. 313 (1801: Quebec).

Tringa canadensis, *Lath. Ind. Orn. Suppl.* p. lxv (1801).

Trynga arquatella, *Pall. Zoogr. Rosso-Asiat.* ii. p. 190, pt. (1811).

Totanus maritimus, *Stephens in Shaw's Gen. Zool.* xii. p. 146 (1824).

Tringa striata (*nec Linn.*), *Fleming, Brit. Anim.* p. 110 (1828); *Dresser, B. Eur.* viii. p. 69, pl. 554 (1877); *Salvin, Cat. Strickl. Coll.* p. 610 (1882); *B. O. U. List Brit. B.* p. 171 (1883); *Saunders, ed. Yarrell's Brit. B.* iii. p. 408 (1883); *Slater & Carter, Ibis*, 1886, p. 50 (Northern Iceland, June and July, breeding); *Tait, Ibis*, 1887, p. 390 (Portugal, Nov., Dec.); *Harvie-Brown & Buckley, Vertebr. Faun. Caithn.* p. 220 (1887: winter); *id. Vertebr. Faun. Outer Hebr.* p. 132 (1888); *Saunders, Man. Brit. B.* p. 579 (1889); *Buckley & Harvie-Brown, Vertebr. Faun. Orkney Isl.* p. 217 (1891); *iid. Vertebr. Faun. Argyll & Inner Hebr.* p. 178 (1892); *Macph. Vertebr. Faun. Lakel.* p. 386 (1892); *Lilford, Col. Fig. Brit. B.* pt. xxiv. (1893); *Pearson & Bidwell, Ibis*, 1894, p. 235 (N. Norway); *Pearson, Ibis*, 1895, p. 248 (Iceland); *Irby, Orn. Straits Gibr.* 2nd ed. p. 252 (1895).

Calidris maritima, *Cuv. Règne Anim.* i. p. 525 (1829).

Tringa littoralis, *Brehm, Vög. Deutschl.* p. 652 (1831).

The Purple Sandpiper, *Nuttall, Man. Orn.* ii. p. 115 (1834); *Yarrell, Brit. B.* ii. p. 665 (1843).

Tringa (Arquatella) maritima, *Baird, B. N. Amer.* p. 717 (1858); *Palmén, Finl. Fogl.* p. 193 (1873); *Ridgw. Ann. Lyc. N. Y.* x. p. 384 (1874: Illinois).

Arquatella maritima, *Coues, Proc. Acad. Nat. Sci. Philad.* 1861, p. 183; *Gould, B. Gt. Brit.* iv. pl. 74 (1869); *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 99 (1880); *id. Bull. Nutt. Orn. Club*, v. p. 162 (1880: North-eastern N. America); *Coues, Check-list N. Amer. B.* p. 101 (1882); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 217 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 629 (1884); *Turner, Proc. U.S. Nat. Mus.* viii. p. 246 (1885: Labrador); *Salvad. Elenco Ucc. Ital.* p. 218 (1886); *A. O. U. Check-list N. Amer. B.* p. 149 (1886).

Pelidna maritima, *Fritsch, Vög. Eur.* p. 353, tab. 33. fig. 12 (1870); *Saunders, Ibis*, 1871, p. 388 (Spain, winter); *Salvad. Faun. Ital., Ucc.* p. 212 (1871); *Gigl. Ibis*, 1881, p. 209 (Tuscany and Genoa, rare); *id. Iconogr. Avif. Ital.* no. 283; *id. Avif. Ital.* p. 383 (1886); *id. ibid.* 1st *Resoc.* p. 585 (1889), 2nd *Resoc.* p. 657 (1890).

The Purple or Rock Sandpiper, *Graham, B. Iona & Mull*, p. 234 (1890).

Actia maritima, *Heine & Reichen. Nomencl. Mus. Hein.* p. 329 (1890: Iceland and Greenland).

Adult in winter plumage. General colour above sooty-black with a purplish gloss, the feathers having pale margins of dull ashy grey,

less distinct on the lower back, rump, and upper tail-coverts, the longest of which have white tips; sides of rump and lateral upper tail-coverts white, with narrow blackish shaft-lines; wing-coverts like the back and having the same pale fringes; bastard-wing and primary-coverts black with white tips; quills dusky brown, black along the outer web and at the tip of the inner one, the secondaries tipped with white and having a considerable amount of white on the inner web, increasing in extent on the inner secondaries, which are entirely white or have only a small mark of black on the outer web; the innermost secondaries black; centre tail-feathers blackish, the remainder ashy grey, fringed with white and having whitish shafts; head and neck uniform sooty black, with a faint streak of dull white on the lores and behind the eye; eyelid whitish; sides of face, throat, and fore-neck sooty brown, the chin whiter; breast and abdomen, as well as the under tail-coverts, white, the breast and sides of the body mottled with dusky-brown centres to the feathers, the flanks streaked with the same colour; axillaries and under wing-coverts pure white; quill-lining ashy grey. Total length 7·5 inches, culmen 1·2, wing 4·9, tail 2·1, tarsus 0·85.

Young. Is distinguished from the adult in winter by the white edges to the feathers of the back, these being grey in the winter plumage of the adults. The white edges on the wing-coverts are also more pronounced in young birds. As the light edges wear off during the first winter, young birds are sometimes found with a perfectly black upper surface.

Adults in summer plumage. Differ from the winter plumage in being browner below and not so ashy, the fore-neck being either uniform brown or mottled with spots of black, the upper breast and sides of the body being also thickly spotted with black; the upper surface is black, with rufous margins to the feathers instead of ashy or whitish ones: bill dark brown, paler at the base; feet dull yellow, claws black; iris hazel. Total length 8·5 inches, culmen 1·5, wing 5·2, tail 2·15, tarsus 0·95.

Nestling. Rufous above, with a black pattern on the head and centre of back extending on to the wings and flanks, the upper surface being spangled with tiny spots of golden yellow at the tips of the down; hind-neck ashy fulvous; forehead and eyebrow buff, with a mesial streak on the former; a line of black above and below the gape; under surface of body ashy white.

Hab. Breeding in Arctic Europe and North-eastern America, ranging south in winter on the coasts of Temperate Europe and America.

a, b ♂ juv. et ♀ ad. sk.	Stromness, Orkneys (*J. Dunn*).	Seebohm Coll.
c, d, e. ♂ ad. sk.	Island of Tiree, Feb. & May.	Colonel Irby [P.].
f, g. Ad. sk.	N. Berwick, Nov. (*J. H. Vale*).	Seebohm Coll.
h. Ad. st.	Dunstanburgh, Northumberland, May.	J. E. Harting, Esq. [C.].
i. ♂ ad. sk.	Filey Bay, Yorkshire, autumn.	Seebohm Coll.

k. ♂ ad. sk.	Farne Islands, winter.	Seebohm Coll.
l, *m*. Ad. sk.	Farne Islands.	R. W. Chase, Esq. [P.].
n. Ad. st.	Breydon Harbour, Yarmouth.	J. E. Harting, Esq. [C.].
o. ♀ ad. sk.	Yarmouth (*J. E. Harting*).	Seebohm Coll.
p. Ad. sk.	Winchelsea, Sussex, June 2.	Dr. R. B. Sharpe, [P.].
q. Ad. sk.	Christchurch, Hants (*A. von Hügel*).	Seebohm Coll.
r. Ad. sk.	Somersetshire.	Montagu Coll.
s. Ad. st.	Torquay.	C. Coningham, Esq. [P.].
t. Ad. st.	Cornwall.	D. W. Mitchell, Esq. [P.].
u, *v*. Ad. sk.	St. Bride's, S. Wales, Nov., April.	Hon. W. Edwardes [P.].
w. Ad. st.	Jersey.	J. Snow, Esq. [P.].
x. Juv. sk.	Jersey.	J. Snow, Esq. [P.].
y. ♀ ad. sk.	Donegal Bay, Ireland, Jan.	Seebohm Coll.
z. ♀ ad. sk.	Iceland, July 5.	Seebohm Coll.
a', *b'*. ♀ ad. sk.	Bödo, Norway, May (*F. Godman*).	Salvin-Godman Coll.
c'. ♀ ad. sk.	Vadsö, Norway, June 28 (*H. S.*).	Seebohm Coll.
d'–*h'*. ♂ ad. et juv.; *i'*. ♀juv. sk.	Heligoland, Oct. to Dec. (*L. Gätke*).	Seebohm Coll.
k'. ♀ juv. sk.	Heligoland, Oct. 2 (*R. B. S.*).	F. Nicholson, Esq. [P.].
l'. ♀ ad. sk.	Flores, Azores, May 19 (*F. Godman*).	Salvin-Godman Coll.
m', *n'*. ♂ ♀ ad.; *o'*. Pull. sk.	Greenland (*Holböll*).	Salvin-Godman Coll.
p'. Ad. sk.	Greenland.	Hume Coll.
q'. Ad. sk.	Greenland.	Tweeddale Coll.
r'. ♀ ad. sk.	Lichtenfels, S. Greenland, Oct. 23.	Dr. R. B. Sharpe [P.].
s'. Ad. sk.	Labrador.	Seebohm Coll.
t'. Ad. sk.	Hudson's Bay.	Seebohm Coll.
u'. Ad. sk.	Hudson's Bay.	Arctic Expedition.
v'. Ad. sk.	Repulse Bay.	Dr. Rae [P.].
w'. Ad. sk.	New Brunswick (*J. Boardman*).	Seebohm Coll.
x'. ♂ juv. sk.	Bay of Fundy, New Brunswick, Dec. 31 (*H. E. Dresser*).	Salvin-Godman Coll.
y'. ♀ ad. sk.	Grand Menan (*W. Brewster*: *Henshaw Coll.*).	Salvin-Godman Coll.
z'. Ad. sk.	Grand Menan, Feb. (*H. Herrick*: *Henshaw Coll.*).	Salvin-Godman Coll.
a''. Ad. sk.	Nova Scotia.	Old Coll.
b'', *c''*. ♀ ad. sk.	Cambridge, Mass., Oct. (*H. W. Henshaw*).	Salvin-Godman Coll.
d''. Ad. sk.	Delaware Bay (*J. Krider*).	Seebohm Coll.
e''. Skeleton.		Old Coll.
f''. Sternum.	England.	J. Ingall, Esq. [P.].

Subsp. a. Arquatella couesi.

Trynga arquatella, *Pall. Zoogr. Rosso-Asiat.* ii. p. 190 (1811, pt.).

Tringa maritima (*nec Gm.*), *Middend. Reis. Sibir., Zool.* p. 220 (1851: Lat. 75° N., Aug.); *Dall & Bann. Trans. Chic. Acad.* i. p. 291 (1869); *Baird, t. c.* p. 717; *Harting, P. Z. S.* 1871, p. 116 (N.W. America); *Finsch, Abhandl. Nat. Ver. Bremen*, iii. p. 65 (1872: Alexandrovsk, Alaska); *Dall, Proc. Cal. Acad.* v. p. 275 (1874: Aleutian and Pribylov Is.); *Dyb. & Tacz. Bull. Soc. Zool. France*, ix. p. 146 (1884: Kamtschatka); *Seebohm, Hist. Brit. B.* iii. p. 192, pt. (1885); *id. B. Japan. Emp.* p. 335 (1890: Kurile Isl.).

Tringa (Pelidna) maritima, *Dall, Proc. Calif. Acad. Sci.* v. p. 28 (1873: Unalashka to the Shumagins).

Arquatella couesi, *Ridgw. Bull. Nutt. Orn. Club*, v. p. 100 (1880: Aleutian Is.); *id. Proc. U.S. Nat. Mus.* iii. pp. 109, 221 (1880); *Bean, op. cit.* v. pp. 164, 173 (1882: Unalashka Isl.); *Coues, Check-list N. Amer. B.* p. 100 (1882); *Nelson, Cruise R. S. 'Corwin,'* p. 85 (1883); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 221 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 629 (1884); *Stejn. Bull. U.S. Nat. Mus.* no. 29, p. 112 (1885: Bering and Copper Is., breeding); *A. O. U. Check-list N. Amer. B.* p. 150 (1886); *Stejn. Proc. U.S. Nat. Mus.* x. p. 129 (1887: Commander Is.).

Arquatella, sp., *Stejn. Proc. U.S. Nat. Mus.* vi. p. 69 (1883: Commander Is.).

Tringa couesi, *Turner, Contr. Nat. Hist. Alaska*, p. 147 (1886: St. Michael's, May and June); *Nelson, Rep. Nat. Hist. Coll. Alaska*, p. 103, pl. vi. (1887); *Ridgw. Man. N. Amer. B.* p. 154 (1887); *Allen, Auk*, x. p. 123 (1893); *A. O. U. Check-list N. Amer. B.* 2nd ed. p. 87 (1895).

Tringa maritima, var. couesi, *Palmén, Vega-Exped., Fogelf.* p. 314 (1887).

Tringa maritima couesi, *Seebohm, Geogr. Distr. Charadr.* p. 430 (1888); *Tacz. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 905 (1893); *Elliot, N. Amer. Shore-Birds*, p. 69, cum tab. (1895).

Adult in winter plumage. Apparently not to be distinguished from that of *A. maritima*.

Adult male in summer plumage. Similar to *A. maritima*, but much more of a bright chestnut above, and with the white edging to the base of the inner primaries rather more marked; the band on the fore-neck and chest much more broken up than in *A. maritima* and is of a sandy colour when present, but it is sometimes entirely absent, the fore-neck and chest being white with patches of dusky black and narrow streaks of the same colour, there being a black patch of greater or less extent on the sides of the upper breast, in which respect the species much resembles *A. ptilocnemis*: "base of bill dark greenish yellow, the outer two-thirds of the bill black or very dark horn-colour; feet dark greenish yellow to light olive; iris hazel" (*E. W. Nelson*). Total length 7·5 inches, culmen 1·1, wing 5, tail 1·95, tarsus 0·9.

Adult female in summer plumage. Similar to the male. Total length 7·5 inches, wing 4·9.

Young. Dusky blackish above, with rufous edgings to the feathers,

many of which are also margined with sandy buff or whitish; there is also a distinct tinge of sandy buff on the fore-neck and chest.

Although it seems impossible to tell the winter plumage of *A. couesi* from that of *A. maritima*, yet the summer plumage of the two races appears to me to be quite distinguishable. The brighter rufous colour, the greater amount of white on the inner primaries, and the rufous colour of the young are certainly characters of some importance in *A. couesi*.

"The downy young, from Kyska Island, June 30, 1873, is bright rusty fulvous, irregularly marked with black; the ornamental velvety flecks coarser, and not so white as in *A. maritima*; head light fulvous, marked as in *A. maritima*; sides of lower parts fulvous.

"The downy young both of this species and of *A. ptilocnemis* are strikingly different from the young of *A. maritima*. The difference lies in the rich, light buffy, or fulvous tints which so richly colour the two first, in contrast with the dark, dingy buffs and greys forming the main colours on young *A. maritima* at the same stage." (*E. W. Nelson.*)

Hab. Replaces *A. maritima* in Western North America, where it inhabits Alaska, as well as the Commander Islands * and the Kuriles. ? Eastern Siberia.

a–q. ♂ ♀ ad. et juv. sk.	St. Michael's, Alaska, Aug., Sept. (*E. W. Nelson*: *Henshaw Coll.*).	Salvin-Godman Coll.
r. Juv. sk.	St. Michael's, Oct. 15 (*L. M. Turner*: *Henshaw Coll.*).	Salvin-Godman Coll.
s. Juv. sk.	Alaska (*E. W. Nelson*).	Seebohm Coll.
t, u, v. ♀ ad. sk.	Port Etolin, Alaska, April 10 (*C. L. McKay*: *Henshaw Coll.*) †.	Salvin-Godman Coll.
w. ♀ ad. sk.	Port Etolin, April 10 (*C. L. McKay*).	Seebohm Coll.
x. ♀ ad. sk.	Unalashka, Oct. 13 (*T. H. Bean*).	Seebohm Coll.
y. Ad. sk.	Unalashka, Oct. (*L. M. Turner*: *Henshaw Coll.*).	Salvin-Godman Coll.
z. Ad. sk.	Atkha Isl., Alaska (*L. M. Turner*: *Henshaw Coll.*).	Salvin-Godman Coll.
a'. Ad. sk.	Atkha Isl. (*L. M. Turner*).	Seebohm Coll.
b', c'. Ad. sk.	Kurile Islands (*Snow*).	Seebohm Coll.
d'. ♀ ad. sk.	Kurile Islands (*Vosnesensky*).	Seebohm Coll.

Subsp. β. Arquatella ptilocnemis.

Tringa ptilocnemis, *Coues in Elliott's Rep. Fur-Seal Island, Alaska*, not paged, note (1873); *id. B. N.-West*, p. 491 (1874); *id. Amer. Nat.* viii. p. 500 (1874); *Elliott, Monogr. Seal Isl. Alaska*,

* Dr. Stejneger records a large series of specimens obtained by himself on Bering Island. The only skin that I have seen from this locality is one in the Seebohm collection, and it seems to me to belong to *A. ptilocnemis*.

† These specimens are rather larger, and may be *A. ptilocnemis* in winter plumage.

p. 120 (1883: May to Sept., breeding); *Hartl. J. f. O.* 1883, p. 279 (Portage Bay); *Seebohm, Hist. Brit. B.* iii. p. 193 (1885); *Nelson, Rep. Nat. Hist. Coll. Alaska, Birds*, p. 105 (1887); *Ridgw. Man. N. Amer. B.* p. 154 (1887); *A. O. U. Check-list N. Amer. B.* 2nd ed. p. 87 (1895).

Tringa crassirostris (*nec T. & S.*), *Dall, Proc. Cal. Acad. Sci.* v. p. 28 (1873: Pribylov Is.); *id. Amer. Nat.* vii. p. 635 (1873: Aleutian Is.); *Coues in Elliott's Rep. Fur-Seal Isl. Alaska*, no. 426 *bis* (1873).

Tringa gracilis, *Harting, P. Z. S.* 1874, p. 243, pl. xl. (St. Paul's Isl., Alaska).

Arquatella ptilocnemis, *Ridgw. Proc. U.S. Nat. Mus.* iii. pp. 191, 221 (1880); *id. Bull. Nutt. Orn. Club*, v. p. 163 (1880: Pribylov Is.); *Coues, Check-list N. Amer. B.* p. 100 (1882); *Nelson, Cruise R.S. 'Corwin,'* p. 83 (1883: Fur Seal Isl.; St. Mathew's and St. Lawrence Isl.); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 222 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 630 (1884); *Stejn. Bull. U.S. Nat. Mus.* no. 29, p. 112 (1885).

Tringa maritima ptilocnemis, *Seebohm, Geogr. Distr. Charadr.* p. 431 (1888); *Elliot, N. Amer. Shore-Birds*, p. 72, cum tab. (1895).

Adult female in summer plumage. Similar to *A. maritima*, or rather to *A. couesi*, but larger, more plentifully mottled with pale chestnut on the upper surface, and distinguished by the broader white margins to the base of the inner primaries; the fore-neck is sandy buff, with a good many black spots and mottlings on the chest, the black forming a large patch on each side of the upper breast. Total length 9·5 inches, culmen 1·45, wing 5·4, tail 2·55, tarsus 1.

Younger birds. Paler than the adult, with ample white margins to the feathers of the upper surface.

The generally larger size and light tawny tone of colour in this race distinguish it from the allied forms. The hind-neck is emphatically tawny rufous with very perceptible streaks of black.

Hab. Pribylov Islands, Alaska. Wintering on the coasts of N.W. America and perhaps in Bering Island.

a–c. Ad. sk.	St. George's Isl., Alaska, July (*H. W. Elliott*).	Salvin-Godman Coll.
d. ♀ ad. sk.	St. Paul's Isl., Alaska, July 20 (*H. W. Elliott*).	Seebohm Coll. (Type of *T. gracilis*, Harting.)
e. ♀ ad. sk.	St. Paul's Isl., June 24 (*H. W. Elliott*).	Seebohm Coll.
f. ♀ ad. sk.	Bering Island, May 29 (*L. Stejneger*).	Seebohm Coll.

66. ANCYLOCHILUS.

	Type.
Ancylochilus, *Kaup, Naturl. Syst.* p. 50 (1829)	A. subarquatus.
Falcinellus, *Cuv.* (*nec Vieill.*), *Règne Anim.* i. p. 527 (1829)	A. subarquatus.

Range. Almost confined to the Old World, and only occurring accidentally in America. Nesting in the high north, but the exact breeding-place undiscovered. Wintering in Africa, India, and Australia.

1. Ancylochilus subarquatus.

Scolopax subarquata, *Güldenst. Nov. Comm. Petrop.* xix. p. 471 (1774); *Gm. S. N.* i. p. 568 (1788).
Cape Curlew, *Lath. Gen. Syn.* i. p. 126 (1785).
Pygmy Curlew, *Lath. t. c.* p. 127 (1785).
Scolopax africana, *Gm. S. N.* i. p. 655 (1788).
Scolopax pygmæa, *Gm. S. N.* i. p. 655 (1788).
Numenius africanus, *Lath. Ind. Orn.* ii. p. 712 (1790).
Numenius pygmæus, *Lath. Ind. Orn.* ii. p. 713 (1790).
Scolopax dethardingii, *Siemss. Handb. Mecklenb. Land- u. Wasser-vögel*, p. 169 (1794).
Tringa islandica (*nec Linn.*), *Retz. Faun. Suec.* p. 192 (1800).
Numenius subarquata, *Bechst. Orn. Taschenb.* ii. p. 276 (1803).
Numenius pusillus, *Bechst. Gemein. Naturg. Vög. Deutschl.* iii. p. 152 (1809).
Numenius ferrugineus, *Meyer, Ann. Wett. Ges.* i. p. 53 (1809); *id. & Wolf, Taschenb.* ii. p. 356 (1810).
Tringa ferruginea, *Brünn.*; *Meyer, Ann. Wett. Ges.* i. p. 53 (1809); *A. O. U. Checkl. N. Amer. B.* p. 152 (1886); *Cory, Auk*, iv. p. 315 (1887: Grenada); *Palmén, Vega-Exped., Fuglef.* p. 308 (1887); *Stejn. Proc. U.S. Nat. Mus.* xiv. p. 491 (1891: Japan); *Hagerup, B. Greenl.* p. 55 (1891: N. Greenland, breeding at Christianshaab, 69° N.); *Nelson, Rep. Nat. Hist. Coll. Alaska*, p. 112 (1887: Point Barrow, June); *A. O. U. Check-list N. Amer. B.* p. 90 (1885).
Tringa falcinella, *Pallas, Zoogr. Rosso-Asiat.* ii. p. 188 (1811).
Tringa pygmæa, *Leach, Syst. Cat. Mamm. etc.* p. 30 (1816).
Erolia variegata, *Vieill. Analyse*, p. 55 (1816).
Falcinellus pygmæus, *Cuvier, Règne Anim.* i. p. 486 (1817).
Tringa subarquata, *Temm. Man. d'Orn.* p. 393 (1815), 2nd ed. p. 609 (1820); *Boie, Isis*, 1822, p. 560; *Roux, Orn. Prov.* pls. 285, 286 (1825); *Werner, Atlas, Gralles*, pl. 9 (1827); *Naum. Vög. Deutschl.* vii. p. 408, tab. 185 (1834); *Gould, B. Eur.* iv. pl. 328 (1837); *Audub. B. Amer.* pl. 263; *id. Orn. Biogr.* iii. p. 444 (1839); *Mühle, Orn. Griechenl.* p. 104 (1840: Sept., May); *Crespon, Orn. Gard*, p. 409 (1840); *Keys. & Blas. Wirb. Eur.* pp. lxxvi, 214 (1840); *Nordm. in Démid. Voy. Russ. Mérid.* iii. p. 239 (1840: on passage); *Selys-Longch. Faun. Belge*, p. 124 (1842); *Audub. B. Amer.* 8vo, v. p. 269, pl. 333 (1842); *Giraud, B. Long Isl.* p. 237 (1844); *Schl. Rev. Crit.* p. lxxxviii (1844); *Gray, Gen. B.* iii. p. 579 (1845); *Thomps. B. Irel.* ii. p. 284 (1850); *Midd. Reis. Sibir., Zool.* p. 220 (1851: Tundra of Taimyr R., 74° N. lat., breeding; R. Boganida, May 27); *Kjærb. Orn. Dan. Suppl.* pl. xvi. fig. 1 (1852); *Macgill. Hist. Br. B.* iv. p. 215 (1852); *Schl. Vog. Nederl.* pl. 230 (1854); *Heugl. Syst. Uebers.* p. 63 (1856); *Hartl. Orn. West-Afr.* p. 237 (1857: Casamance; Gold Coast; Gaboon); *Cass. in Baird, Cassin, & Lawr. B. N. Amer.* p. 718 (1858); *Jaub. & Barth.-Lapomm. Rich. Orn.* p. 464 (1859); *Schrenck, Reis. Amurl.* p. 421 (1859: Amur; Ussuri); *Gray, P. Z. S.* 1860, p. 365 (Moluccas); *Sundev. Sv. Fogl.* tab. xlii. figs. 1, 3 (1860); *Linderm. Vög. Griechenl.* p. 142 (1860); *Powys, Ibis*, 1860, p. 343 (Corfu); *Swinh. t. c.* p. 342 (Takow—Peking); *Irby, Ibis*, 1861, p. 240 (Oudh, cold weather); *Schl. Dier. Nederl. Vögels*, pl. 24. fig. 3 (1861); *Gray, Cat. Br. B.* p. 169 (1863); *Radde, Reis. Sibir., Vög.* p. 333 (1863); *Jerd. B. Ind.* iii. p. 689 (1864); *Schl. Mus. Pays-Bas*, Scolopaces, p. 31 (1864); *Newton, Ibis*,

1864, p. 152 (Iceland); *Wright*, *t. c.* p. 148 (Malta, on migration); *Sperling*, *t. c.* p. 287 (Corfu, May); *Layard*, *B. S. Afr.* p. 330 (1867); *Baird*, *Ibis*, 1867, p. 286 (Greenland); *Tristr. t. c.* p. 327 (Palestine); *Smith*, *t. c.* p. 455 (Portugal); *Dyb. J. f. O.* 1868, p. 337 (Darasun); *Sperling*, *Ibis*, 1868, p. 202 (Mozambique; Zanzibar); *Schl. & Poll. Faun. Madag., Ois.* p. 133 (1868: N.E. Madagascar); *Turnb. B. E. Pennsylv.* p. 44 (1869); *Borgyr. Vogelf. Norddeutschl.* p. 117 (1869); *Layard*, *Ibis*, 1869, p. 76 (S. Africa, Oct.); *Finsch & Hartl. Vog. Ostafr.* p. 761 (1870); *Elwes & Buckley*, *Ibis*, 1870, p. 331; *Saunders*, *Ibis*, 1871, p. 388 (S. Spain, May); *Gray*, *B. West Scotl.* p. 316 (1871: Elgin, breeding); *Saunders*, *Ibis*, 1871, p. 388 (S. Spain); *Swinh. P. Z. S.* 1871, p. 409 (Amoy; Formosa; Tientsin); *Gray*, *Hand-l. B.* iii. p. 60, no. 10319 (1871); *Coues*, *Key N. Amer. B.* p. 286 (1872); *Harting*, *Handb. Brit. B.* p. 48 (1872); *Holdsw. P. Z. S.* 1872, p. 474 (Ceylon); *Shelley*, *B. Egypt*, p. 254 (1872); *Gurney*, *in Anderss. B. Dam. Ld.* p. 306 (1872); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1193 (1873); *Hume & Henders. Lahore to Yark.* p. 288 (1873); *Hume*, *Str. F.* i. p. 242 (1873: Sind; Mekran Coast); *Adam*, *t. c.* p. 396 (Sambhur); *Brooke*, *Ibis*, 1873, p. 339 (Sardinia, winter); *Severtz. Turkest. Jevotn.* p. 69 (1873: on migration); *Alst. & Harvie-Brown*, *Ibis*, 1873, p. 69 (Archangel, June 18); *Swinh. t. c.* p. 424 (Shanghai, April); *Salvad. Ucc. Born.* p. 322 (1874); *Durnf. Ibis*, 1874, p. 400 (N. Frisian Isl., May 30); *Coues*, *B. N.-West*, p. 491, note (1874); *Hume*, *Str. F.* ii. p. 297 (1874: Andamans, Oct. to April); *Adam*, *t. c.* p. 339 (Sambhur, Aug.); *Wald. Ibis*, 1874, p. 147 (S. Andamans); *Irby*, *B. Gibr.* p. 172 (1875: Tangier, April, Sept.; Gibraltar, April); *Danf. & Harvie-Brown*, *Ibis*, 1875, p. 422 (Transylvania, May, June); *Blyth*, *B. Burm.* p. 166 (1875); *Hume*, *Str. F.* iii. p. 323 (1875: Mergui); *Fallon*, *Ois. Bely.* p. 108 (1875); *Sharpe & Bouvier*, *Bull. Soc. Zool. France*, i. p. 313 (1876: Banane); *Seeb. & Harvie-Brown*, *Ibis*, 1876, p. 233 (Lower Petchora); *Dresser*, *t. c.* p. 411; *Blanf. East. Persia*, ii. p. 284 (1876: Mekran Coast); *Scully*, *Str. F.* iv. p. 187 (1876: Yarkand, Oct.); *Armstrong*, *Str. F.* iv. p. 342 (1876: Elephant Point); *Cockburn*, *t. c.* p. 516 (Allahabad, May); *Tacz. Bull. Soc. Zool. France*, i. p. 252 (1876); *id. op. cit.* ii. p. 157 (1877: Poland); *Hartl. Voy. Madag.* p. 330 (1877); *David & Oust. Ois. Chine*, p. 472 (1877); *Dresser*, *B. Eur.* viii. p. 59, pl. 553 (1878); *Pryev. in Rowley's Orn. Misc.* iii. p. 90 (1878: Hoangho Valley, breeding?; Ussuri; Lake Hanka); *Ayres*, *Ibis*, 1878, p. 411 (Potchefstroom, Nov.); *Hume & Davison*, *Str. F.* vi. p. 450 (1878: Tenasserim); *Hume*, *Str. F.* vii. p. 487 (1878: Calcutta); *Davidson & Wenden*, *t. c.* p. 89 (Deccan); *Ramsay*, *Proc. Linn. Soc. N. S. W.* ii. p. 198 (1878); *Brewer*, *Ibis*, 1879, p. 375 (North Greenland); *Fridleu*, *t. c.* pp. 480, 487; *Hume*, *Str. F.* viii. p. 70 (1879: Singapore), p. 113 (List); *Butler*, *Cat. B. Sind etc.* p. 63 (1879); *Seeb. Ibis*, 1879, p. 150 (Siberia, June); *Shelley*, *P. Z. S.* 1879, p. 670 (Anjouan); *Finsch*, *Verh. z.-b. ges. Wien*, xxix. p. 251 (1879: Tundra of the Ob, not breeding); *Boyd. B. Cauc.* p. 150 (1879); *Legge*, *B. Ceylon*, p. 879 (1880); *Butler*, *Cat. B. S. Bomb. Pres.* p. 77 (1880); *Vidal*, *Str. F.* ix. p. 85 (1880: Ratnagiri); *Bocage*, *Orn. Angola*, p. 472 (1881); *Reid*, *Str. F.* x. p. 70 (1881: Lucknow, Oct. to April); *Biddulph*, *Ibis*, 1881, p. 98 (Gilgit, Sept.); *id. Ibis*, 1882, p. 288; *Seeb. Ibis*, 1882, p. 224 (Astrachan, migrant), p. 381 (Archangel); *Milne-Edw. & Grand. Hist. Nat. Madag., Ois.* ii. p. 324 (1882);

Büttik. Notes Leyden Mus. vii. p. 244 (1882); *Salvad. Orn. Papuasia etc.* iii. p. 317 (1882); *B. O. U. List Brit. B.* p. 170 (1883); *Booth, Rough Notes*, ii. pl. 23 (1883); *Seeb. Ibis*, 1883, p. 30 (Caucasus, on passage); *Severtz. t. c.* p. 75 (Pamir, July); *Irby, t. c.* p. 187 (Santander, May); *Saunders, ed. Yarr. Brit. B.* iii. p. 403 (1883); *Oates, Handb. B. Brit. Burm.* ii. p. 394 (1883); *Murray, Vertebr. Faun. Sind*, p. 250 (1884); *Dutcher, Auk*, i. p. 52 (1884: Long Isl.); *Tristr. Faun. & Flor. Palest.* p. 133 (1884); *Bogd. Consp. Av. Imp. Ross.* p. 90 (1884); *Radde, Orn. Cauc.* p. 429 (1884); *Büttik. Notes Leyden Mus.* x. p. 102 (1885: Liberia); *Murdoch, Auk*, ii. p. 63 (1885: Pt. Barrow); *Whitehead, Ibis*, 1885, p. 43 (Corsica, May); *Seeb. Hist. Brit. B.* iii. p. 180 (1885); *Zarudn. Ois. Transcasp.* p. 70 (1885); *Saunders, P. Z. S.* 1886, p. 336 (Diego Garcia); *Tait, Ibis*, 1887, p. 390 (Portugal); *Matschie, J. f. O.* 1887, p. 138 (Karema, March); *Reid, Ibis*, 1888, p. 78 (Teneriffe); *Seeb. t. c.* p. 349 (Great Liakoff Isl., June); *Shelley, Ibis*, 1888, p. 306 (Lake Jipi, Sept.); *id. Ibis*, 1890, p. 170 (Aruwhimi River); *Sharpe, App. Jameson's 'Rear-Column,'* p. 414 (1890); *Saunders, Man. Brit. B.* p. 403 (1889); *Lilford, Ibis*, 1889, p. 341 (Cyprus); *Reichen. Syst. Verz. Vög. Deutschl.* p. 48 (1889); *Meade-Waldo, Ibis*, 1890, p. 429 (Teneriffe, May); *Brusina, Motr. etc.* (*Orn. Croat.*), p. 88 (1890); *Styan, Ibis*, 1891, pp. 330, 506 (Lower Yangtse); *Gätke, Vogelw. Helgol.* p. 519 (1891); *Sharpe, Sci. Res. 2nd Yark. Miss.* p. 141 (1891: Upper Karakash R.); *Frivaldsky, Av. Hung.* p. 147 (spring and autumn migrant); *Madarász, Erläut. Ausst. Ungar. Vogelf.* p. 111 (1891); *Reiser, Vogels. Landesm. Sarajevo*, p. 128 (1891); *Seebohm, Ibis*, 1892, p. 25; *Sibree, t. c.* p. 114 (Madagascar); *Rendall, t. c.* p. 229 (Gambia); *Hartert, t. c.* p. 515 (E. Prussia); *Styan, t. c.* p. 437 (Hainan); *Meade-Waldo, Ibis*, 1893, p. 205 (Canary Islands); *Shelley, Ibis*, 1894, pp. 26, 476 (Lake Shirwa, Nyasaland); *Coues, Auk*, xii. p. 339 (1895); *Whitaker, Ibis*, 1895, p. 106 (Tunis); *Eagle Clarke, t. c.* p. 207 (Delta of the Rhone).

Pelidna subarquata, *Steph. in Shaw's Gen. Zool.* xii. p. 96 (1824); *Cuv. Règne Anim.* p. 527 (1829); *Brehm, Vög. Deutschl.* p. 657 (1831); *Bp. Comp. List B. Eur. & N. Amer.* p. 50 (1838); *Degl. & Gerbe, Orn. Eur.* ii. p. 195 (1867: N. France, on migration); *Doderl. Avif. Sicil.* p. 189 (1869); *Fritsch, Vög. Eur.* tab. xxxviii. fig. 10, xxxix. fig. 4 (1870); *Salvad. Faun. Ital., Ucc.* p. 212 (1871); *Baird, Brewer, & Ridgw. Water-B. N. Amer.* i. p. 246 (1884); *Dutcher, Auk*, i. p. 32 (1884: Long Isl., May 24); *Merriam, Auk*, ii. p. 63 (1885: Point Barrow, June 8); *Everett, Journ. Straits Branch Asiat. Soc.* 1889, p. 208 (Sarawak; Pontianak); *Tacz. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 925 (1893).

Ærolia varia, *Vieill. Gal. Ois.* ii. pl. 231 (1825).

Ancylocheilus subarquatus, *Kaup, Natürl. Syst.* p. 50 (1829); *Bp. C. R.* xliii. p. 596 (1856); *Gould, Handb. B. Austr.* ii. p. 256 (1865); *Loche, Expl. Sci. Algér., Ois.* ii. p. 308 (1867); *Gould, B. Gt. Brit.* iv. pl. 68 (1872); *Coues, Check-l. N. Amer. B.* p. 102 (1882).

Falcinellus cursorius, *Temm. Pl. Col.* v. pl. 510 (1830).

Pelidna macrorhynchus, *Brehm, Vög. Deutschl.* p. 658 (1831).

Tringa (Pelidna) chinensis, *Gray, Zool. Misc.* p. 2 (1831).

Schœniclus subarquatus, *Gould, B. Austr.* vi. pl. 32 (1837); *Gray, List Gralla Brit. Mus.* p. 105 (1844); *Rüpp. Syst. Uebers.* p. 126 (1845).

Falcinellus cuvieri, *Bp. Comp. List B. Eur. & N. Amer.* p. 50 (1838).

The Curlew Sandpiper, *Yarr. Brit. B.* ii. p. 47 (1843).
Schœniclus chinensis, *Gray, List Gralla B. M.* p. 104 (1844).
Pelidna arquata, *Brehm, Vogelf.* p. 316 (1855).
Tringa (Schœniclus) subarquata, *Ramsay, Tab. List Austr. B.* p. 20 (1888).

Adult male in breeding-plumage. General colour above deep bay or dark cinnamon rufous, varied with whitish edges to the feathers, which are mottled with black centres, taking the form of stripes on the head and back and of cross-bars on the scapulars; lower back dull ashy-brown, with whitish edges; sides of lower back, rump, and upper tail-coverts white, the latter tinged with rufous, and showing a few black bars; wing-coverts brown, with whitish edgings, the greater series tipped with white, forming a wing-bar; some of the coverts rufous like the back, and some of the inner secondaries also rufous on their edges; primary-coverts and quills darker brown, the latter with white tips; primaries dark brown with white shafts; the secondaries fringed with white, more broadly on the shorter ones, which are white at the base of the inner web; tail-feathers ashy brown, with white fringes and white shafts; head like the back, but showing less distinct blackish centres to the feathers; the hind neck distinctly hoary, owing to the grey edgings to the feathers; sides of face and under surface of body rich vinous chestnut, with more or less distinct remains of hoary margins to the feathers; vent and under tail-coverts white, the latter tinged with rufous, and having a few black bars; sides of body and flanks pure white, the latter with a few black bars; under wing-coverts and axillaries pure white; lower primary-coverts and under surface of quills light ashy: bill and feet black; iris hazel. Total length 7·4 inches, culmen 1·35, wing 5·3, tail 1·9, tarsus 1·15, middle toe and claw 1.

Adult female in summer plumage. Like the male, but not so richly coloured, the tint of the under surface being duller chestnut, and not so vinous. Total length 7 inches, culmen 1·4, wing 4·9, tail 1·8, tarsus 1·15, middle toe and claw 1.

Adult in winter plumage. Ashy brown above, slightly mottled with darker centres to the feathers; the wing-coverts like the back; quills as in the summer plumage; rump and upper tail-coverts pure white; tail-feathers ashy brown, fringed with white, with white shafts, and a sub-terminal bar of dusky blackish, the inner webs having a good deal of white at the base; lores dusky, with a supra-loral streak of white; the under surface of the body pure white, with tiny lines of dusky brown on the sides of the face, sides of neck, lower throat and fore-neck.

Young in first autumn plumage. Similar in general colour to the winter plumage of the adult, and distinguished by the absence of rufous colour in the plumage of the upper surface; on the under surface the streaks on the fore-neck are almost obsolete, and a fulvescent shade overspreads the fore-neck and chest, in some specimens even extending to the breast itself. On the upper surface it

is very similar to the winter plumage of the adult, but has always more distinct pale edgings to the feathers, these being generally fulvescent, while the mantle is decidedly darker, being blackish, with pale margins to the feathers.

Hab. Nesting in the Arctic Regions (exact locality still unknown), and wintering in Africa, India, and Australia. Of accidental occurrence in Eastern North America and Alaska; also in the West Indies.

a. Ad. hiem. st.	Great Britain.	Montagu Coll.
b. Ad. st.	Orkney.	Dr. Edmonton [P.].
c. Ad. st.	Lytham, Lancashire.	
d. Ad. st.	Yarmouth.	C. Hubbard, Esq. [P.].
e, *f*. ♂ ♀ juv. sk.	Yarmouth, Sept.	Hume Coll.
g. Ad. st.	Breydon Harbour, Yarmouth.	J. E. Harting, Esq. [P.].
h. ♂ juv. sk.	Breydon Harbour, Sept. 11 (*J. E. Harting*).	Seebohm Coll.
i. Ad. st.	Aldeburgh, Suffolk, Aug.	Theodore Fisher, Esq. [P.].
k, *l*. Juv. sk.	Aldeburgh, Aug. 27.	Colonel Irby [P.].
m, *n*. Juv. st.	Epping, Essex.	H. Doubleday, Esq. [P.].
o. ♂ juv. sk.	Kingsbury, Middlesex, Aug. 27 (*J. E. Harting*).	Seebohm Coll.
p, *q*, *r*. ♂ ♀ ad. et juv. sk.	Romney Marsh, Kent, Sept.	Dr. R. B. Sharpe [P.].
s. Ad. st.	Brighton, Sussex, May.	Harting Coll.
t. Juv. st.	Pagham Harbour, Sussex.	Dr. R. B. Sharpe [P.].
u, *v*. ♂ juv.; *w*. ♀ ad. hiem. sk.	Pagham Harbour, Sept. 9.	Dr. R. B. Sharpe [P.].
x–*b'*. ♂ ♀ ad.; *c'*–*e'*. ♂ ♀ juv. sk.	Pagham Harbour, May, July, Aug., Sept. (*J. E. H.*).	Seebohm Coll.
f'. Juv. sk.	Bognor, Sussex.	Gould Coll.
g'. Juv. sk.	Christchurch, Hants, Sept.	Baron A. Von Hügel [P.].
h'. ♂ juv. sk.	Barnstaple, Devon, Sept. 24 (*J. E. H.*).	Seebohm Coll.
i'. ♀ ad. sk.	Dvornik, Petchora, July 14.	Seebohm Coll.
k'. Ad. sk.	Archangel Market, June 18 (*E. R. Alston*).	Seebohm Coll.
l'. Ad. sk.	South Spain, May 14.	Hume Coll.
m'. Ad. sk.	Malaga, May 9 (*H. Saunders*).	Seebohm Coll.
n'. ♂ ad. sk.	Valencia, May 8 (*H. Saunders*).	Seebohm Coll.
o'. ♂ ad. sk.	Barcelona, May 10 (*H. E. Dresser*).	Seebohm Coll.
p'–*r'*. ♂ ad.; *s'*. ♀ ad. sk.	Near Gibraltar, April 24.	Colonel Irby [P.].
t'. ♂ ad. sk.	Gibraltar, April 28 (*L. H. Irby*).	Seebohm Coll.
u'. ♀ ad. sk.	Girgenti, Sicily (*E. C. Taylor*).	Seebohm Coll.
v'–*y'*. Ad. sk.	Tuscany.	Seebohm Coll.
z', *a''*. ♀ ad. sk.	Pisa, May.	Seebohm Coll.
b''. Ad. sk.	Austria.	Seebohm Coll.
c''. ♂ juv. sk.	Hungary, Oct. 8.	Hungarian National Museum [P.].

d''. Ad. sk.	Corfu (*S. S. Saunders*).	Seebohm Coll.
e'', *f''*. Ad. st.	Athens.	Consul Merlin [P.].
g''. ♂ ad. sk.	Athens, May.	Hume Coll.
h''. ♂ ad. sk.	Crimea.	Seebohm Coll.
i''–l''. Ad. sk.	Mesopotamia (*Commander Jones*).	India Museum.
m''. ♀ ad. sk.	Egypt (*G. E. Shelley*).	Seebohm Coll.
n''. Ad. sk.	Egypt, April (*S. Stafford Allen*).	F. Bond, Esq.
o''. Ad. sk.	Aden.	Tweeddale Coll.
p''. Ad. sk.	Aden (*Col. Yerbury*).	Hume Coll.
q''. Ad. sk.	Angolala, Shoa (*Sir W. Harris*).	India Museum.
r''. Ad. st.	Gambia.	Governor Rendall [P.].
s''. Ad. sk.	Gold Coast.	Gould Coll.
t'', *u''*. ♂ ad.; *v''*, *w''*. ♀ ad. sk.	Walvisch Bay, Sept. to April (*C. J. Andersson*).	Seebohm Coll.
x'', *y''*. ♀ ad. sk.	Walvisch Bay, Oct., Nov. (*C. J. A.*).	Tweeddale Coll.
z''. Ad. sk.	Cape Colony (*E. L. Layard*).	Salvin-Godman Coll.
*a*³. ♂ ad. sk.	Durban, Natal, Dec.	Capt. Savile Reid [P.].
*b*³. ♀ ad. sk.	Isepingo Flats, 12 miles from Durban, Natal, Oct. 18 (*Gordge*).	Seebohm Coll.
*c*³. Ad. sk.	Potchefstroom, Transvaal, Nov. 24 (*T. Ayres*).	Gurney Coll.
*d*³–*g*³. Ad. sk.	Lake Shirwa, Nyasaland, Dec., Jan., June, Aug. (*A. Whyte*).	Sir H. H. Johnston [P.].
*h*³. Juv. sk.	Lamu, E. Africa.	F. J. Jackson, Esq. [P.].
*i*³. ♀ ad. sk.	N.E. Madagascar.	F. Pollen [C.].
*k*³, *l*³. ♂ ad. sk.	Rodriguez.	Rev. H. H. Slate [C.].
*m*³. Ad. sk.	Anjouan Island (*Sir J. Kirk*).	Seebohm Coll.
*n*³. ♂ ad. sk.	Yen-e-sei Valley, June 15.	Seebohm Coll.
*o*³, *p*³. ♂ ad. et juv. sk.	Lake Baikal, May.	Seebohm Coll.
*q*³, *r*³. ♂ juv. sk.	Yarkand, Aug., Sept. (*Dr. G. Henderson*).	Hume Coll.
*s*³, *t*³. ♀ ad. et imm. sk.	Gilgit, Aug., Sept.	Colonel Biddulph [C.].
*u*³ *r*³. ♂ ad. et imm.; *y*³. ♀ ad. sk.	Karachi, Sept. (*A. O. H. & E. A. Butler*).	Hume Coll.
*z*³, *a*⁴. ♀ ad. et juv. sk.	Balacherry, Kathiawar, Oct. 10.	Colonel Hayes Lloyd [P.].
*b*⁴–*d*⁴. ♀ ad.; *e*⁴, *f*⁴. ♂ ♀ juv. sk.	Sambhur, July to Sept., May (*R. M. Adam*).	Hume Coll.
*g*⁴, *h*⁴. ♂ ad. sk.	Sultanpur, Gurgaon Distr., May, July (*W. N. Chill*).	Hume Coll.
*i*⁴. ♂ ad. sk.	Allahabad, May 17 (*J. Cockburn*).	Hume Coll.
*k*⁴, *l*⁴. Ad. sk.	Sholapur, May 2 (*J. Wemden*).	Hume Coll.

m^4. ♀ ad. sk.	Calcutta (*E. Blyth*).	Seebohm Coll.
n^4–y^4. ♂ ♀ ad. sk.	Calcutta, Dec. to April.	Hume Coll.
z^4, a^5. Ad. st.	Calcutta.	India Museum.
b^5. Ad. sk.	Calcutta, January.	Godwin-Austen Coll.
c^5, d^5. ♂ ♀ ad. sk.	Madras, Dec. (*R. G. W. R.*).	Tweeddale Coll.
e^5. Ad. sk.	Madras.	Godwin-Austen Coll.
f^5. Ad. sk.	Ceylon (*H. Nevill*).	Tweeddale Coll.
g^5, h^5. ♂ ♀ ad. sk.	Ceylon, Oct., Jan. (*W. V. Legge*).	Sharpe Coll.
i^5. ♀ ad. sk.	Ceylon, Dec. 28 (*W. V. Legge*).	Seebohm Coll.
k^5. ♂ ad. sk.	South Andamans, March (*R. G. W. R.*).	Tweeddale Coll.
l^5. ♂ ad.; m^5, n^5. ♀ ad. sk.	Port Blair, S. Andamans, May, June, July (*W. J. Wimberley*).	Hume Coll.
o^5, p^5. ♂ ♀ ad. sk.	Aberdeen, S. Andamans, Dec. (*W. Davison*).	Hume Coll.
q^5. ♀ ad. sk.	Dungleaf Creek, Andamans, Jan. 3 (*W. Davison*).	Hume Coll.
r^5. ♂ ♀ ad. sk.	Elephant Point, Burma, Dec. 14 (*J. Armstrong*).	Hume Coll.
s^5, t^5. ♂ ♀ ad.; u^5. ♀ imm. sk.	Lower Pegu, Aug., Oct.	Oates Coll.
v^5. ♂ ad. sk.	Moulmein, Dec. 2 (*W. Davison*).	Hume Coll.
w^5, x^5. ♂ ad.; y^5. ♀ ad. sk.	Amherst, Dec., Jan. (*W. D.*).	Hume Coll.
z^5. ♂ ad. sk.	Mergui, Nov. 6 (*W. D.*).	Hume Coll.
a^6–e^6. ♂ ad.; d^6–g^6. ♀ ad. sk.	Jaram, Selangore, Dec., March, Aug. (*W. D.*).	Hume Coll.
h^6. Ad. sk.	Malacca (*Dr. Cantor*).	India Museum.
i^6, k^6. ♂ ♀ ad. sk.	Amurland (*R. Maak*).	Seebohm Coll.
l^6. Ad. sk.	China.	J. R. Reeves, Esq. [P.]. (Type of *P. chinensis*, Gray.)
m^6. ♂ ad. sk.	Shanghai, May (*R. Swinhoe*).	Seebohm Coll.
n^6, o^6. Ad. sk.	Amoy, May 16 (*R. Swinhoe*).	Seebohm Coll.
p^6, q^6. Ad. sk.	Taiwanfoo, May (*R. Swinhoe*).	Seebohm Coll.
r^6. Ad. sk.	Taiwanfoo, May (*R. Swinhoe*).	Hume Coll.
s^6–u^6. Ad. sk.	Java (*Dr. Horsfield*).	India Museum.
v^6. Ad. sk.	Java.	Gould Coll.
w^6. Ad. sk.	Australia.	Gould Coll.
x^6. Ad. sk.	Australia.	Seebohm Coll.
y^6. Ad. sk.	Australia.	Tweeddale Coll.
z^6–b^7. Ad. sk.	Queensland (*J. T. Cockerell*).	Salvin-Godman Coll.
c^7. Ad. sk.	Victoria.	Gould Coll.
d^7. Ad. sk.	Sydney.	Seebohm Coll.
e^7. Ad. sk.	Tasmania.	Antarctic Exped.
f^7. Ad. sk.	E. Patagonia.	Sir W. Burnett & Admiral Fitzroy [P.].
g^7. Imm. sk.	N. America. [? Hudson's Bay.]	The Admiralty [P.].
h^7. Skeleton.		Purchased.
i^7. Sternum.	England.	John Ray, Esq. [P.].

67. TRINGA.

	Type.
Tringa, *Linn. Syst. Nat.* i. p. 247 (1766)	T. canutus.
Canutus, *Brehm, Vög. Deutschl.* p. 653 (1831)	T. canutus.

Range. The Arctic portions of the Old and New Worlds, visiting Australia, Africa, and South America on migration.

Key to the Species.

a. Breast and underparts rufous	*canutus* æstiv., p. 593.
b. Underparts white, with dusky streaks or spots on the fore-neck and chest.	
a'. Upper tail-coverts white, barred across with black: culmen 1·3 inch	*canutus* hiem. et juv., [p. 593.
b'. Upper tail-coverts white: bill longer, culmen 1·6 inch.	
a''. With rufous and black markings on the upper surface	*crassirostris* æstiv., p. 600.
b''. Upper surface grey	*crassirostris* hiem., p. 600.

1. Tringa canutus.

The Knot, *Edwards, Gleanings Nat. Hist.* ii. p. 137, pl. 276 (1760: Lincolnshire); *Lath. Gen. Syn.* iii. pt. i. p. 187 (1785: Lincolnshire); *Yarrell, Brit. B.* ii. p. 630 (1843).

La Maubèche, *Briss. Orn.* v. p. 220, pl. xx. fig. 1 (1760).

La Maubèche tachetée, *Briss. Orn.* v. p. 220, pl. xxi. fig. 1 (1760); *Buff. Hist. Nat. Ois.* vii. p. 531 (1780).

La Maubèche grise, *Briss. Orn.* v. p. 233, pl. xxi. fig. 2 (1760); *Buff. Hist. Nat. Ois.* vii. p. 531 (1780).

Le Canut, *Briss. Orn.* v. p. 258 (1760); *Buff. Hist. Nat. Ois.* viii. p. 142 (1781).

Tringa cinerea (*nec Linn.*), *Brünn. Orn. Bor.* p. 53, no. 179 (1764); *Gm. Syst. Nat.* i. p. 673 (1788); *Temm. Man. d'Orn.* p. 404 (1815); *Parry's 1st Voy.* p. cci (1819); *E. Sabine, Trans. Linn. Soc.* xii. p. 533 (1819: Hare Isl., June); *Wilson, Amer. Orn.* vii. p. 36, pl. lvii. fig. 2 (1813); *Temm. Man. d'Orn.* ii. p. 627 (1820); *Licht. Verz. Doubl.* p. 74 (1823); *Richardson in Parry's 2nd Voy.* p. 355 (1824: Duke of York's Bay; Melville Peninsula); *Werner, Atlas, Grall.* tab. 14 (1827); *Less. Man. d'Orn.* ii. p. 283 (1828); *Swains. Faun. Bor.-Amer., Birds*, p. 387 (1831: Melville Peninsula); *Neuwied, Beitr. Naturg. Bras.* iv. p. 735 (1833); *Crespon, Orn. Gard.* p. 417 (1840); *Harcourt, P. Z. S.* 1851, p. 146 (Madeira); *Fallon, Ois. Belg.* p. 171 (1875); *Seebohm, Ibis*, 1882, p. 382 (Archangel, summer).

Tringa canutus, *Linn. Syst. Nat.* i. p. 251 (1766); *Gm. Syst. Nat.* i. p. 670 (1788); *Leach, Syst. Cat. Mamm. etc. Brit. Mus.* p. 29 (1816); *Fleming, Brit. Anim.* p. 109 (1828); *Jard. ed. Wilson's Amer Orn.* ii. p. 335, pl. 57. fig. 5 (1832); *Jenyns, Man. Brit. Vertebr.* p. 213 (1835); *Bp. Comp. List B. Eur. & N. Amer.* p. 49 (1838); *Keys. & Blas. Wirb. Eur.* pp. lxxvi, 214 (1840); *Selys-Longch. Faun. Belge*, p. 126 (1842); *Schl. Rev. Crit.* p. lxxxviii (1844); *Mühle, Beitr. Orn. Griechenl.* p. 103 (1844); *Gray, List Grall. Brit. Mus.* p. 103 (1844); *id. Gen. B.* iii. p. 579 (1845); *Cab. u. Schomb. Reis. Guiana.* iii. p. 758 (1848); *Blyth, Cat. B. Mus. A. S. B.* p. 288 (1849: Calcutta); *Reichenb. Grall.* tab. lxxiii.

figs. 611, 612 (1850); *Thomps. B. Irel.* ii. p. 306 (1850); *Middend. Reis. Sibir., Zool.* p. 219 (1851: Taimyr R., Aug.; Boganida, May); *Macgill. Brit. B.* iv. p. 185 (1852); *Vierth. Naumannia*, 1852, pp. 29, 51 (Blue Nile); *Schl. Vog. Nederl.* pls. 227, 228 (1854); *Baldamus, Naumannia*, 1857, p. 113 (Blue Nile); *Bp. C. R.* xliii. p. 578 (1856); *Hartl. Orn. West-Afr.* p. 237 (1857: Gambia); *Cass. in Baird's B. N. Amer.* p. 715 (1858); *Jasb. et Barth.-Lapomm. Rich. Orn.* p. 465 (1859); *Schrenck, Reis. Amurl.* p. 420 (1859: Mouth of Amur, Aug.); *Sundev. Sv. Fogl.* pl. 42. fig. 1 (1860); *Linderm. Vög. Griechenl.* p. 142 (1860); *Reinhardt, Ibis*, 1861, p. 11 (Greenland); *Irby, t. c.* p. 240 (Cawnpore); *Schl. Dier. Nederl. Vogels*, pl. 24. fig. 1 (1861); *Coues, Proc. Acad. Nat. Sci. Philad.* 1861, pp. 179, 229; *Boardm. Proc. Bost. Soc. Nat. Hist.* ix. p. 128 (1862: Maine); *Verrill, Proc. Essex Inst.* iii. p. 158 (1862: Maine, autumn); *Blakist. Ibis*, 1863, p. 132 (Hudson's Bay); *Newton in Baring-Gould's Iceland*, p. 412 (1863); *Gray, Cat. Brit. B.* p. 165 (1863); *Schl. Mus. Pays-Bas*, Scolopaces, p. 29 (1864); *Wright, Ibis*, 1864, p. 148 (Malta, Jan. and Feb.); *Dawson Rowley, t. c.* p. 223 (Brighton, Sept.); *Allen, Proc. Essex Inst.* iv. p. 86 (1864: Springfield, Mass.); *Gould, Handb. B. Austr.* ii. p. 259 (1865); *Lawr. Ann. Lyc. N. Y.* viii. p. 294 (1866); *Léot. Ois. Trinid.* p. 468 (1866); *Layard, B. S. Afr.* p. 330 (1867); *Baird, Ibis*, 1867, p. 286 (Greenland); *Degl. et Gerbe, Orn. Eur.* ii. p. 190 (1867); *Loche, Expl. Sci. Algér., Ois.* ii. p. 306 (1867); *Gurney, Ibis*, 1868, p. 260 (Walvisch Bay); *McIlwr. Proc. Ess. Inst.* v. p. 92 (1868: Hamilton, Canada West); *Coues, t. c.* p. 293 (New England); *id. Proc. Bost. Soc. Nat. Hist.* xii. p. 122 (1868: S. Carolina); *Dall & Bann. Trans. Chicago Acad.* i. p. 291 (1869: Sitka); *Borggr. Vogelf. Norddeutschl.* p. 116 (1869); *Doderl. Avif. Sicil.* p. 188 (1869); *Droste, Vogelw. Borkum*, p. 211 (1869); *Elwes & Buckley, Ibis*, 1870, p. 331 (Coast near Kustendji); *Homeyer, J. f. O.* 1870, p. 425; *Fritsch, Vög. Eur.* tab 38. fig. 9, tab. 39. fig. 2 (1870); *Gray, Hand-l. B.* iii. p. 48, no. 10300 (1871); *Salvad. Faun. Ital., Ucc.* p. 214 (1871); *Fritsch, J. f. O.* 1871, p. 388 (Bohemia); *Swinhoe, P. Z. S.* 1871, p. 408 (Shanghai); *R. Gray, B. West Scotl.* p. 318 (1871); *Saunders, Ibis*, 1871, p. 288 (S. Spain, spring and autumn); *Harting, Handb. Brit. B.* p. 48 (1872); *Finsch, Trans. N. Z. Inst.* v. p. 209 (1872: New Zealand); *Gurney in Anderss. B. Dam. Ld.* p. 209 (1872: Walvisch Bay); *Feilden, Zool.* 1872, p. 3250 (Færoes, spring and autumn): *Scl. & Salv. Nomencl. Av. Neotrop.* p. 145 (1873); *Buller, B. New Zeal.* p. 194 (1873); *Palmén, Finl. Fogl.* p. 190 (1873); *Gould, B. Gt. Brit.* iv. pl. 65 (1873); *Brooke, Ibis*, 1873, p. 330 (Sardinia, winter); *Swinhoe, t. c.* p. 368 (Shanghai, April); *Tacz. J. f. O.* 1873, p. 103 (Kultuk, April); *Heugl. Orn. N.O.-Afr.* ii. Abth. i. p. 1183 (1873: Egyptian Coast; Blue Nile); *Salvin, Ibis*, 1874, p. 319 (Brazil); *Coues, B. N.-West*, p. 490 (1874); *Ridgw. Ann. Lyc. N. Y.* x. p. 384 (1874: Shores of Lake Michigan); *Saxby, B. Shetl.* p. 207 (1874); *Finsch, J. f. O.* 1874, p. 197 (New Zealand); *Irby, Orn. Straits Gibr.* p. 171 (1875); *Danf. & Harvie-Brown, Ibis*, 1875, p. 422 (Transylvania); *Tacz. Bull. Soc. Zool. France*, i. p. 252 (1876); *id. op. cit.* ii. p. 157 (1877: Poland); *Feilden, P. Z. S.* 1877, p. 31 (Lat. 81° 44′ N.); *id. Ibis*, 1877, p. 407 (Shores of Smith's Sound; Grinnell Land, breeding); *Tacz. P. Z. S.* 1877, p. 748 (Santa Lucia, W. Peru); *Dresser, B. Eur.* viii. p. 77, pls. 555, 556 (1877); *David & Oust. Ois. Chine*, p. 469 (1877); *Belding, Proc.*

U.S. Nat. Mus. i. p. 451 (1878: California); *Fridden in Nares' Voy.* ii. App. p. 211 (1878: Smith's Sound); *Maynard, B. East. N. Amer.* p. 385 (1879); *Finsch, Verh. z.-b. Ges. Wien*, xxix. p. 251 (1879: River Irtisch, April); *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 100 (1880); *Collett, Norges Fugle*, p. 87 (1881); *Gigl. Ibis*, 1881, p. 209 (Genoa Riviera); *Blakiston & Fryer, B. Japan*, p. 111 (1882: Yokohama); *Seebohm, Ibis*, 1882, p. 381 (Mouth of Dwina); *Coues, Check-list N. Amer. B.* p. 102 (1882); *Salvin, Cat. Strickl. Coll.* p. 610 (1882); *Irby, Ibis*, 1883, p. 186 (Santander, May); *Stearns, Proc. U.S. Nat. Mus.* vi. p. 119 (1883: Labrador); *B. O. U. List Brit. B.* p. 171 (1883); *Booth, Rough Notes*, ii. cum tab. (1882-87); *Gigl. Iconogr. Arif. Ital.* no. 288 (1883); *Saunders, ed. Yarrell's Brit. B.* iii. p. 413 (1883); *Blakist. Amended List B. Japan*, p. 36 (1884); *Sharpe, ed. Layard's B. S. Afr.* p. 683 (1884); *Bogd. Consp. Av. Imp. Ross.* p. 89 (1884); *Merriam, Auk*, i. p. 295 (1884: Godbout, Canada); *Chapman, Ibis*, 1884, p. 49 (Spain, migrant); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 211 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 635 (1884); *Seebohm, Hist. Brit. B.* iii. p. 174 (1885); *Murdoch, Rep. Exped. Point Barrow, Alaska*, p. 110 (1885); *Turner, Proc. U.S. Nat. Mus.* viii. p. 246 (1885: Labrador); *Murdoch, Auk*, ii. p. 63 (1885: Point Barrow); *Hart Merriam, t. c.* pp. 312, 313 (Fort Conger, 81° 44' N.; egg); *Gigl. Arif. Ital.* p. 389 (1886); *Salvad. Elenco Uc. Ital.* p. 221 (1886); *Salvin, Ibis*, 1886, p. 197 (British Guiana); *A. O. U. Check-list N. Amer. B.* p. 149 (1886); *Seton, Auk*, iii. pp. 151, 329 (1886: Red River, Manitoba); *Pleske, Uebers. Säug. & Vog. Kola-Halb.* p. 352 (1886); *Turner, Contr. Nat. Hist. Alaska*, p. 146 (1886); *Tacz. Orn. Pérou*, iii. p. 354 (1886: Tumbez); *Cory, Auk*, iv. p. 315 (1887: Jamaica); *Nelson, Rep. Nat. Hist. Coll. Alaska*, p. 102 (1887); *Townsend, Proc. U.S. Nat. Mus.* x. p. 163 (1887: Northern California), pp. 198, 235 (Humboldt Bay); *Ridgw. Man. N. Amer. B.* p. 153 (1887); *Tait, Ibis*, 1887, p. 330 (Portugal, winter); *Palmén, Vega-Exped., Ergeb.* tab. 4 (1887); *Buller, B. New Zeal.* 2nd ed. ii. p. 35 (1888); *Ramsay, Tab. List Austr. B.* p. 20 (1888: New South Wales; Victoria and South Australia); *Sennett, Auk*, v. p. 110 (1888: Texas); *Cooke, Bull. U.S. Agric.* No. 2, p. 92 (1888: Mississippi Valley); *Seebohm, Geogr. Distr. Charadr.* p. 422 (1888); *Chapman, Ibis*, 1888, p. 445 (Spain, Sept.); *Irby, Key List Brit. B.* p. 46 (1888); *Seebohm, Ibis*, 1888, p. 348 (Great Liakoff Isl., July); *Harvie-Brown & Buckley, Vertebr. Faun. Outer Hebr.* p. 133 (1888); *Reichen. Syst. Verz. Vog. Deutschl.* p. 49 (1889); *Scott, Auk*, vi. p. 156 (1889: Tarpon Springs, Florida); *Saunders, Man. Brit. B.* p. 581 (1889); *Cory, B. West Indies*, p. 236 (1889); *Gigl. Arif. Ital., 1st Revue*, p. 591 (1889), *2nd Revue*, p. 662 (1890); *Warren, B. Pennsylv.* p. 83 (1890); *Seebohm, B. Japan. Emp.* p. 322 (1890); *MacKay, Auk*, vii. p. 204 (1890: Muskeget Isl., Massachusetts); *Heine & Reichen. Nomencl. Mus. Hein.* p. 320 (1890); *Ed. Fig. Brit. B.* part xii. (1890); *Palmer, Proc. U.S. Nat. Mus.* xii. p. 290 (1890: Morgan Isl.); *Thomps. t. c.* p. 500 (Manitoba); *Buckley & Harvie-Brown, Vertebr. Faun. Orkney Isl.* p. 218 (1891); *Hagerup, B. Greenl.* p. 54 (1891); *Frivaldsky, Av. Hung.* p. 145 (1891: occasional visitor); *Styan, Ibis*, 1891, pp. 349, 365 (Lower Yangtse; Shanghai); *Stejn. Proc. U.S. Nat. Mus.* xiv. p. 480 (1891: Tokio, Japan); *Cory, Cat. B. West Indies*, p. 93 (1892: Greater and Lesser Antilles); *Hatch, B. Minnesota*, p. 124 (1892); *Scott, Auk*, ix. p. 13 (1892:

Jamaica); *id.* p. 212 (Caloosahatchie Region, Florida); *Mackay, t. c.* p. 306 (Tuckermuck Isl.); *McCormick, t. c.* p. 397 (Northern Ohio); *Seebohm, Ibis*, 1892, p. 24 (Heligoland); *De La Touche, t. c.* p. 498 (Foochow); *Hartert, t. c.* p. 515 (E. Prussia); *Stejn. Proc. U.S. Nat. Mus.* xv. p. 292 (1892: Yezo, Japan); *Macpherson, Vertebr. Faun. Lakel.* p. 387 (1892); *Harvie-Brown & Buckley, Vertebr. Faun. Argyll and Inner Hebrides*, p. 179 (1892); *Legge, Proc. Austr. Assoc.* 1892, p. 17; *Tacz. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 895 (1893); *Rhoads, Auk*, x. p. 17 (1893: Washington); *Mackay, t. c.* p. 25 (Massachusetts); *Allen, t. c.* p. 123; *Styan, Ibis*, 1893, p. 436 (Hainan); *Chapman, Bull. Amer. Mus.* vi. p. 78 (1894: Trinidad); *Dubois, Faun. Ill. Vertébr. Belg.* ii. p. 154, pl. 194 (1894); *Bagg, Auk*, xi. p. 163 (1894: Oneida Lake); *Brown, t. c.* p. 259 (Virginia); *Irby, Orn. Straits Gibr.* 2nd ed. p. 281 (1895); *Eagle-Clarke, Ibis*, 1895, p. 208 (Delta of the Rhone); *Pearson, t. c.* p. 248 (Iceland); *Elliot, N. Amer. Shore-Birds*, p. 65 (1895); *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 86 (1895).

Tringa calidris, *Linn. Syst. Nat.* i. p. 252 (1766), *ex Briss.* p. 226.

Tringa islandica, *Linn. Syst. Nat.* i. pt. 2, Addenda (1767); *P. L. S. Müll. S. N.*, Anhang, p. 113 (1776); *Gm. Syst. Nat.* i. p. 682 (1788); *Leach, Syst. Cat. Mamm. &c. Brit. Mus.* p. 29 (1816: Essex); *id. & Sabine in Ross's Voy.* App. p. lix (1819: Hare Isl.; Jacob's Bight); *Naum. Vög. Deutschl.* vii. p. 372, tab. 183 (1834); *Audub. Orn. Biogr.* iv. p. 130, pl. 315 (1838); *id. B. Amer.* 8vo. vi. p. 254, pl. 328 (1842); *Holboell, Faun. Groenl.* p. 38 (1846); *Kjærb. Danm. Fugle*, pl. xxxv. fig. 3, *Suppl.* pl. 16. fig. 3 (1852); *Gätke, Vogelw. Helgol.* pl. 516 (1891).

Maubeche tachetée, *D'Aubent. Pl. Enl.* viii. pl. 365.

Maubeche grise, *D'Aubent. Pl. Enl.* viii. pl. 366.

La Maubèche commune, *Buff. Hist. Nat. Ois.* vii. p. 529, pl. xxxi. (1780).

? Charadrius utopiensis, *P. L. S. Müll. Syst. Nat.*, Anhang, p. 117 (1776).

Freckled Sandpiper, *Lath. Gen. Syn.* iii. pt. i. p. 174 (1785: France; N. Russia; Siberia).

Grisled Sandpiper, *Lath. t. c.* p. 175 (Europe).

Ash-coloured Sandpiper, *Lath. t. c.* p. 177 (Flintshire).

Red Sandpiper, *Lath. t. c.* p. 186.

Southern Sandpiper, *Lath. t. c.* p. 187 (Cayenne).

Tringa australis, *Gm. Syst. Nat.* i. p. 679 (1788).

Tringa nævia, *Gm. Syst. Nat.* i. p. 681 (1788).

Tringa grisea, *Gm. Syst. Nat.* i. p. 681 (1788).

Tringa ferruginea (*nec Leisl.*), *Meyer & Wolf, Taschenb. deutsch. Vögelk.* p. 395 (1810); *Nilss. Orn. Suec.* ii. p. 84 (1817); *Vieill. N. Dict. d'Hist. Nat.* xxxiv. p. 466 (1819); *Roux, Orn. Prov.* pls. 282, 283 (1830).

Trynga nævia, *Pallas, Zoogr. Rosso-Asiat.* ii. p. 192 (1811: N. Russia and Siberia).

Trynga canutus, *Pallas, t. c.* p. 197 (Lake Baikal).

Trynga calidris, *Pallas, t. c.* p. 202.

Tringa rufa, *Wilson, Amer. Orn.* vii. p. 43, pl. lvii. fig. 5 (1813).

Calidris islandica, *Ross, Voy. of Discovery*, 2nd ed. ii. App. iv. p. 167 (1819: Hare Isl.; Jacob's Bight); *Less. Traité d'Orn.* p. 558 (1831).

Canutus islandicus, *Brehm, Vög. Deutschl.* p. 654 (1831).

Canutus cinereus, *Brehm, t. c.* p. 655.

Knot or Ash-coloured Sandpiper, *Nuttall, Man. Orn.* ii. p. 126 (1834).
Calidris canutus, *Gould, B. Eur.* iv. pl. 324 (1837).
Tringa islandica, *Nordm. in Démid. Voy. Russ. Mérid.* iii. p. 238 (1840: Black Sea; Odessa; Crimea, autumn).
? Tringa lomatina, *Licht. Nomencl. Av. Mus. Berol.* p. 92 (1854).
Canutus rufescens, *Brehm, Naumania*, 1855, p. 292.
Tringa (Actodromas) canutus, *Coues, Key N. Amer. B.* p. 255 (1872).
Tringa canuti, *Brusina, Motr. etc.* (*Orn. Croat.*), p. 88 (1890).

Adult male in winter plumage. General colour above ashy grey, perfectly uniform except on the rump, where there are a few dusky bars; upper tail-coverts white, barred across with black; wing-coverts ashy like the back, except the marginal coverts which are dusky brown, the median series also with dusky centres, the greater series tipped with white; bastard-wing and primary-coverts black, the inner ones broadly tipped with white; quills dull ashy brown, blackish on the outer web and at the tip of the inner web, the shafts white, the inner primaries plainly edged with white near the base of the outer web; the inner secondaries ashy brown like the back; tail ashy grey, with whitish shafts to the feathers; crown of head ashy grey, slightly mottled with dusky centres to the feathers; lores dusky grey, surmounted by a broad streak of white continued into a narrow white eyebrow, slightly streaked with dusky lines; sides of face white, with narrow dusky streaks, the upper margin of the ear-coverts ashy grey; under surface of body white, the chin unspotted, but the throat streaked, and the fore-neck and chest mottled with spots or bars, the sides of the neck and of the chest dull ashy brown; the flanks white, with irregular bars or arrow-head marks of dusky brown; under wing-coverts white, the axillaries with a few dusky bars; lower primary-coverts and quill-lining ashy grey. Total length 9 inches, culmen 1·3, wing 6·1, tail 2·3, tarsus 1·2.

Young birds. Very similar to the winter plumage of the adults, being grey above and white below. They may, however, be easily distinguished by the marbled appearance of the upper surface, the feathers being fringed with white, before which is a narrow sub-marginal line of black; there is also a tinge of buff over the throat, breast, and sides of the body, these parts being thickly spotted with dusky brown, especially on the flanks.

Adult male in summer plumage. Differs from the winter plumage in having the under surface of the body chestnut, as well as the eyebrow and sides of the face; the whole of the upper surface also suffused with chestnut, the feathers being black in the centre with chestnut margins, while on the scapulars and long inner secondaries the chestnut colour is distributed in the form of twin spots, often forming nearly complete bars; the white on the rump and upper tail-coverts is strongly tinged with chestnut, and the black bars are very distinct; bill and feet black; iris dark hazel. Total length 10 inches, culmen 1·3, wing 6·5, tail 2·3, tarsus 1·1.

Adult female in breeding-plumage. Similar to the male, but not

so strongly suffused with chestnut above, and rather paler chestnut below, with more white on the abdomen than in the male, and having still considerable remains of black bars on the flanks; the axillaries regularly barred with black, instead of being white or only slightly freckled as in the male. Total length 10 inches, wing 6·6.

Hab. Breeds in the Arctic Regions, in Greenland, in Grinnell Land, on Melville Island and Melville Peninsula, and probably on the New Siberian Islands. In winter it visits Africa, India, Australia, and South America.

a. Ad. st.	Great Britain.	Montagu Coll.
b. Ad. hiem. sk.	Great Britain.	Gould Coll.
c. ♂ ad. æstiv. sk.	Great Britain.	Seebohm Coll.
d. ♂ juv. sk.	Grangemouth, Stirlingshire, Sept. 14 (*J. A. Harvie-Brown*).	Seebohm Coll.
e. Ad. sk.	Firth of Forth, Nov. (*R. G. W. R.*).	Tweeddale Coll.
f. Juv. sk.	Firth of Forth, Sept. 8 (*E. R. Alston*).	Seebohm Coll.
g. ♀ juv. sk.	Newbiggin, Northumberland, Aug. 22.	Hume Coll.
h. Ad. hiem. sk.	Lancashire (*F. Nicholson*).	Dr. R. B. Sharpe [P.].
i, k. Ad. hiem. st.	Lincolnshire.	Theodore Walker, Esq. [P.].
l. ♂ juv. sk.	Lincolnshire, Sept. 5.	G. H. Caton Haigh, Esq. [P.].
m. ♂ ad. sk.	Wisbech, Cambridgeshire, Feb. 16.	Mrs. Dorbarn [P.].
n. ♀ ad. æstiv. sk.	Norfolk.	Rev. W. Whitear [P.].
o. ♂ ad. hiem. sk.	Norfolk, Nov. (*F. Godman*).	Salvin-Godman Coll.
p, q. Ad. hiem. sk.	Lynn, Norfolk.	C. Coningham, Esq.
r. ♂ ad.; *s, t.* ♀ ad. sk.	Yarmouth, Norfolk, May.	Seebohm Coll.
u. ♂ ad. sk.	Breydon Harbour, Norfolk, May 23.	Seebohm Coll.
v. ♀ juv. sk.	Aldeburgh, Suffolk, Aug. 27 (*H. Greenwood*).	Seebohm Coll.
w. Juv. sk.	Romney Marsh, Kent.	Dr. Gordon Hogg [P.].
x–f'. ♂ ♀ juv. sk.	Romney Marsh, Aug. and Sept.	Dr. R. B. Sharpe [P.].
g', h'. ♂ ♀ juv. sk.	Romney Marsh, Aug. 29.	Colonel Irby [P.].
i'. Juv. sk.	New Romney, Aug. 19 (*P. Shelley*).	Seebohm Coll.
k', l'. ♂ ad. æstiv. sk.	Winchelsea, Sussex, Aug. 28.	Dr. R. B. Sharpe [P.].
m', n'. Ad. hiem. st.	Eastbourne, Sussex.	J. E. Harting, Esq. [C.].
o'. ♀ ad. st.	Pagham Harbour, Sussex, May.	J. E. Harting, Esq. [C.].
p'–t'. ♂ ♀ juv. sk.	Pagham Harbour, Sept.	Dr. R. B. Sharpe [P.].
u', v', w'. ♂ ad. et juv. sk.	Pagham Harbour, May, Sept. (*J. E. Harting*).	Seebohm Coll.

x'. ♀ imm. ak.	Christchurch, Hants, Nov. 1.	Baron A. von Hügel [P.].
y'. Juv. ak.	Poole, Dorsetshire, Nov. (*A. von Hügel*).	Seebohm Coll.
z'. Imm. ak.	Axmouth, Devonshire, Dec. 10.	Dr. R. B. Sharpe [P.].
a''. Imm. st.	Cornwall.	Dr. Günther [P.].
b''. Ad. hiem. ak.	Swansea, S. Wales, April (*F. D. Godman*).	Salvin-Godman Coll.
c''. Ad. hiem. ak.	Carmarthenshire.	Montagu Coll.
d''. ♂ juv. ak.	Heligoland, Oct. (*R. B. S.*).	F. Nicholson, Esq. [P.].
e''. ♂ ad. hiem; *f''*. Juv. ak.	Heligoland, Sept., Jan.	Seebohm Coll.
g''. ♀ ad. æstiv. ak.	Sweden, Aug. 9 (*W. Meres*).	Seebohm Coll.
h''. Ad. hiem. ak.	Holland.	Salvin-Godman Coll.
i''. ♀ juv. ak.	Spain (*H. E. Dresser*).	Seebohm Coll.
k''. Ad. hiem. ak.	Gambia.	Governor Rendall [C.].
l''. Juv. ak.	Ashanti.	J. Gould, Esq.
m''. Juv. ak.	Ashanti.	Seebohm Coll.
n'', *o''*. ♀ ad. hiem. ak.	Walvisch Bay, Oct. 26 (*C. J. Andersson*).	Seebohm Coll.
p''. ♀ ad. æstiv. ak.	Mouth of the Amoor River, May 18 (*Dörries*).	Seebohm Coll.
q''–v''. ♂ ♀ juv. ak.	Mouth of the Amoor River, Aug., Sept. (*Dörries*).	Seebohm Coll.
w''. Juv. ak.	Yokohama, Japan (*H. Pryer*).	Seebohm Coll.
x'', *y''*. Ad. æstiv. ak.	China (*Tuckett*).	Tweeddale Coll.
z'', *a*^{2}. ♂ ♀ ad. æstiv. ak.	Shanghai, April, May (*R. Swinhoe*).	Seebohm Coll.
b^2. Ad. hiem. ak.	Australia.	Gould Coll.
c^2, *d*^{2}. Ad. ak.	Queensland.	Salvin-Godman Coll.
e^2, *f*^{2}. ♂ ♀ ad. ak.	Moreton Bay, Sept. (*F. Strange*).	Gould Coll.
g^2. ♀ ad. ak.	Lord Howe Island, Sept. 10 (*J. Macgillivray*).	Gould Coll.
h^2. Ad. hiem. ak.	Bay of Islands, New Zealand.	Old Coll.
i^2. Ad. ak.	Northern Land Expedition.	The Admiralty [P.].
j^2. Ad. ak.	N.W. America.	Capt. Collinson [P.].
k^2, *l*^{2}. ♂ ♀ ad.; *m*^{2}, *n*^{2}, *o*^{2}. Pull. st.	82° 44′ N. lat.	Colonel Feilden [P.].
p^2, *q*^{2}. Pull. ak.	82° 44′ N. lat.	Colonel Feilden [P.].
r^2. Pull. ak.	81° 44′ N. lat.	Colonel Feilden [P.].
s^2. ♂ juv. ak.	Distant Cape, Aug. 26.	Colonel Feilden [P.].
t^2, *u*^{2}. ♂ ♀ ad. ak.	Floeberg Beach, July 8.	Colonel Feilden [P.].
v^2 *y*^{2}. Ad. et juv. ak.	Discovery Bay, July & Aug.	H. C. Hart, Esq. [P.].
z^2. Ad. ak.	Greenland.	Tweeddale Coll.
a^3. Juv. ak.	St. Michael's, Alaska, Aug. 14 (*E. W. Nelson*: *Henshaw Coll.*).	Salvin-Godman Coll.
b^3. Ad. ak.	Hudson's Bay.	Gould Coll.
c^3, *d*^{3}. Ad. æstiv. ak.	Repulse Bay.	Dr. Rae [P.].
e^3. Ad. hiem. ak.	Henley Harbour, Aug. 23.	Seebohm Coll.

f^4. Juv. st.	Nova Scotia.	Old Coll.
g^4. Ad. æstiv. sk.	Long Island, New York.	Salvin-Godman Coll.
h^4. Juv. sk.	Chicago, Illinois, Aug. (*E. W. Nelson*: *Henshaw Coll.*).	Salvin-Godman Coll.
i^4. Juv. sk.	Ainsworth, Illinois, Aug. 22 (*E. W. N.*: *Henshaw Coll.*).	Salvin-Godman Coll.
k^4, l^4. ♂ ♀ ad. sk.	Near Charleston, S. Carolina, May (*W. Brewster*: *Henshaw Coll.*).	Salvin-Godman Coll.
m^4–r^4. ♂ ♀ ad. hiem. sk.	Corpus Christi, Texas, Sept., Oct. (*F. B. Armstrong*).	Salvin-Godman Coll.
s^4. Juv. sk.	Barbados.	Sir R. Schomburgk [C.].
t^4. Skeleton.	England.	Purchased.
u^4. Sternum.	England.	John Ray, Esq.
v^4. Skull.		Seebohm Coll.

2. Tringa crassirostris.

Tringa crassirostris, *Temm. & Schl. Faun. Jap.* p. 107, pl. 64 (1847); *Middend. Reis. Sibir., Zool.* p. 219 (1852: S. coast of Sea of Ochotsk); *Schrenck, Reis. Amurl.* p. 420 (1859: Lower Amur R., Aug.); *Blakist. Ibis*, 1862, p. 330 (Japan); *Schl. Mus. Pays-Bas*, Scolopaces, p. 28 (1864); *Hume, Ibis*, 1872, p. 468 (Sind); *Swinhoe, Ibis*, 1873, pp. 368, 370, 424 (Shanghai, April); *Hume, Str. F.* i. p. 240 (1873: Karachi, Feb.); *id. op. cit.* ii. pp. 490, 500 (1874: Andaman Is.); *Wald. Ibis*, 1874, p. 147 (S. Andamans); *Harting, P. Z. S.* 1874, p. 243, pl. xi. figs. 7, 8, 9; *Salvad. Ucc. Born.* p. 325 (1874); *Armstrong, Str. F.* iv. p. 341 (1876: China-Bakeer, Rangoon); *Hume, t. c.* p. 464 (Laccadives); *Dyb. J. f. O.* 1876, p. 201 (S. Ussuri-Land); *Tacz. Bull. Soc. Zool. France*, i. p. 252 (1876); *David & Oust. Ois. Chine*, p. 468 (1877); *Ramsay, Proc. Linn. Soc. N. S. W.* ii. p. 197 (1878), iii. p. 297 (1879: Boiara); *Seebohm, Ibis*, 1879, p. 26 (Japan); *Hume, Str. F.* viii. p. 113 (1879), p. 157 (Salangore); *Butler, Cat. B. Sind etc.* p. 63 (1879); *id. Cat. B. S. Bomb. Pres.* p. 109 (1880: Laccadives); *Ramsay, Proc. Linn. Soc. N. S. W.* iv. p. 101 (1880: Port Moresby; S. Cape and Louisiades); *Blakist. & Pryer, B. Japan*, p. 111 (1882); *Salvad. Ann. Mus. Gen.* xviii. p. 327 (1882); *id. Orn. Papuasia etc.* iii. p. 312 (1882); *Oates, Handb. B. Brit. Burm.* ii. p. 393 (1883); *Meyer, Sitzb. u. Abh. Gesellsch. Isis*, 1884, Abh. i. p. 55 (Bouru); *Blakist. Amended List B. Japan*, p. 11 (1884); *Bogd. Consp. Av. Imp. Ross.* p. 88 (1884); *Murray, Vertebr. Faun. Sind*, p. 249 (1884); *Gigl. & Salvad. P. Z. S.* 1887, p. 586 (Olga Bay, Corea); *Seebohm, Geogr. Distr. Charadr.* p. 421 (1888); *Ramsay, Tab. List Austr. B.* p. 20 (1888: Port Darwin; Port Essington; Gulf of Carpentaria; Cape York; Rockingham Bay; Wide Bay distr.; N. S. W.; W. and S.W. Australia); *Everett, Journ. Straits Branch As. Soc.* 1889, p. 207 (Labuan; Pontianak); *Seebohm, B. Japan. Emp.* p. 332 (1889); *Heine & Reichen. Nomencl. Mus. Hein.* p. 330 (1890: Japan); *Styan, Ibis*, 1891, p. 330 (Lower Yangtse), p. 505 (Shanghai); *Salvad. Agg. Orn. Papuasia etc.* iii. p. 201 (1891); *De La Touche, Ibis*, 1892, p. 498 (Foochow); *Styan, Ibis*, 1893, p. 436 (Hainan); *Tacz. Mém. Acad. St. Pétersb.* (7) xxxix. p. 194 (1893); *Bourns & Worcester, Occ. Papers Minn. Acad. Nat. Sci.* i. p. 31 (1894: Negros).

Schœniclus magnus, *Gould, P. Z. S.* 1848, p. 39 (Australia); *id.*

B. Austr. vi. pl. 33 (1848); *Temm. & Schl. Faun. Jap.* p. 107, note.

Tringa magna, *Bp. C. R.* xliii. p. 596 (1856); *Cass. Proc. Acad. Nat. Sci. Philad.* 1858, p. 196 (Hakodadi); *Swinh. Ibis*, 1863, p. 444 (Japan).

Tringa tenuirostris (*nec Horsf.*), *Swinh. P. Z. S.* 1863, p. 315 (Shanghai); *Gould, Handb. B. Austr.* ii. p. 260 (1865); *Grey, Hand-l. B.* iii. p. 49, no. 10301 (1871); *Masters, Proc. Linn. Soc. N. S. W.* i. p. 60 (1877: Sue Isl.; Cocoanut Isl.); *Ramsay, t. c.* p. 189; *Castelu. & Ramsay, t. c.* p. 384 (Norman R., Gulf of Carpentaria); *Ramsay, P. Z. S.* 1877, p. 338 (N.E. Queensland); *Blakiston & Pryer, Ibis*, 1878, p. 221 (Hakodadi); *Nicholson, Ibis*, 1883, p. 86 (Labuan).

Tringa canutus (*nec Linn.*), *Jerd. B. Ind.* iii. p. 688 (1864).

Adult in winter plumage. Similar to the winter plumage of *T. canutus*, being ashy grey above and white below, but easily distinguished by the longer bill and pure white upper tail-coverts; the dusky spots on the chest and sides of the body smaller and much more distinct.

Young birds. Similar to the winter plumage of the adults, but blacker, with conspicuous white margins to the feathers of the upper surface; the rump and upper tail-coverts being also spotted with black, but not barred with dusky as in *T. canutus*. The head is like the back, black with white edges to the feathers, but there is scarcely any trace of a white eyebrow, the lores and sides of face being thickly spotted with black; throat white, unspotted; lower throat and fore-neck light brown, mottled with black spots, the upper breast and sides of the body also plentifully spotted with black, the spots on the sides of the body being large and often arrow-shaped; axillaries white, with marblings of pale ashy grey.

Adult male in breeding-plumage. Does not differ from the winter plumage to the same extent as in *T. canutus*, the upper surface being only slightly suffused with rufous, the scapulars and the inner secondaries more or less bright chestnut with black subterminal bars: the under surface of the body is white, the throat thickly streaked and the fore-neck so closely barred as to become almost black, these black bars extending on to the breast and along the sides of the body; the under tail-coverts are also spotted with black: "bill brown; feet grey; iris dark brown" (*L. Taczanowski*). Total length 10·5 inches, culmen 1·6, wing 6·9, tail 2·5, tarsus 1·3.

Adult female in breeding-plumage. Similar to the male, but with less rufous. Total length 10·5 inches, culmen 1·7, wing 7·5, tail 2·65, tarsus 1·3.

Hab. Eastern Siberia, migrating south by Japan and China to the Malayan Archipelago and Australia. It also wanders to the coasts of Western India, as it has been met with at Karachi and on the Laccadives.

e–d. ♂ imm.; *e.* ♀ imm. ak.	Mouth of the Amur River, Aug. (*Dörries*).	Seebohm Coll.
f. Ad. ak.	Japan.	Purchased.

g–n. Ad. sk.	Yokohama, Japan (*H. Pryer*).	Seebohm Coll.
o. Ad. sk.	Yezo, Japan.	Tweeddale Coll.
p. Ad. sk.	Gulf of Abrok, June 18.	Warsaw Museum.
q. Ad. sk.	Kurile Islands, May (*Snow*).	Seebohm Coll.
r, s. Ad. sk.	Shanghai, April.	Shanghai Museum.
t–z. ♂ ♀ ad. et imm. sk.	Shanghai, March, April, Sept. (*R. Swinhoe*).	Seebohm Coll.
a'. ♀ ad. sk.	Amoy, Nov. 19 (*R. Swinhoe*).	Seebohm Coll.
b', c'. Ad. sk.	Canton (*Capt. Tuckett*).	Tweeddale Coll.
d'. ♂ ad. sk.	Shappore Isl., Naaf River, Pegu, Jan. 20.	Oates Coll.
e'. ♂ ad. sk.	China Ba-keer, Rangoon, Dec. 17 (*J. Armstrong*).	Hume Coll.
f'–l'. ♂ ♀ ad. sk.	Karachi, Sind, Feb. (*A. O. H.*).	Hume Coll.
m', n'. Ad. sk.	S. Andamans, March (*R. G. W. R.*).	Tweeddale Coll.
o', p'. ♂ ad. sk.	Jaram, Salangore Coast, Malay Peninsula, March (*W. Davison*).	Hume Coll.
q', r', s'. Ad. sk.	Klang lighthouse, Salangore, Jan. 15 (*W. Davison*).	Hume Coll.
t'. Ad. sk.	Borneo.	A. H. Everett, Esq. [C.].
u'. ♂ ad. sk.	Dumaguete, Negros, Philippine Is., Feb. 6.	E. L. Moseley, Esq. [C.].
v'. ♀ ad. sk.	Amboyna, Nov. 13.	Seebohm Coll.
w'. Ad. st.	Australia.	Earl of Derby [P.].
x'. Ad. sk.	North Australia (*J. Gould*).	Seebohm Coll.
y', z'. Ad. sk.	Queensland.	Salvin-Godman Coll.
a''. Ad. sk.	Moreton Bay.	Gould Coll.

68. PELIDNA.

	Type.
Pelidna, *Cuvier, Règne Anim.* i. p. 490 (1817).....	P. alpina.
Schœniclus, *Gray, List Gralla Brit. Mus.* p. 104 (1844)..	P. alpina.

Range. Northern portions of Old and New Worlds, ranging south to temperate and tropical portions of both Hemispheres in winter.

1. Pelidna alpina.

L'Alouette de Mer, *Briss. Orn.* v. p. 211, pl. xix. fig. 1 (1760).

L'Alouette de Mer à collier, *Briss. Orn.* v. p. 216, pl. xix. fig. 2 (1760); *D'Aubent. Pl. Enl.* viii. pl. 851; *Buff. Hist. Nat. Ois.* vii. p. 548 (1780).

La Beccasine d'Angleterre, *Briss. Orn.* v. p. 309 (1760).

Tringa alpina, *Linn. Syst. Nat.* i. p. 249 (1766); *Gm. Syst. Nat.* i. p. 676 (1788); *Leach, Syst. Cat. Mamm. etc. B. M.* p. 30 (1816); *Boie, Isis*, 1822, p. 561; *Naum. Vög. Deutschl.* vii. p. 426, tab. 186 (1834); *Nordm. in Démid. Voy. Russ. Mérid.* iii. p. 238 (1840); *Kjærb. Danm. Fugle, Suppl.* pl. xvi. fig. 2 (1852); *Tristr. Ibis*, 1860, p. 80; *Powys, t. c.* p. 343 (Epirus); *Sundev. Sv. Fogl.* pl. xliii. figs. 1, 2 (1860); *Newton in Baring-Gould's Iceland*, p. 413 (1863); *Gray, Cat. Brit. B.* p. 167

(1863); *More*, *Ibis*, 1865, p. 438 (breeding range in England); *Drake*, *Ibis*, 1867, p. 429 (Tangier, Jan. and Feb.); *Smith*, *Ibis*, 1868, p. 455 (Portugal); *Elwes & Buckley*, *Ibis*, 1870, p. 332 (Black Sea); *Harting*, *P. Z. S.* 1871, p. 115; *id. Handb. Brit. B.* p. 49 (1872); *Durnf. Ibis*, 1874, p. 400 (N. Frisian Isl., breeding); *Harting*, *P. Z. S.* 1874, p. 243; *Danf. & Harvie-Brown*, *Ibis*, 1875, p. 422 (Transylvania); *Scully*, *Str. F.* iv. p. 187 (1876: Eastern Turkestan, breeding); *Dresser*, *Ibis*, 1876, p. 411; *id. B. Eur.* viii. p. 21, pl. 548 (1876); *Tacz. Bull. Soc. Zool. France*, ii. p. 157 (1877: Poland); *Seebohm*, *Ibis*, 1879, p. 151 (Yen-e-sei, 69°-70½° N. lat., breeding); *Finsch*, *Verh. z.-b. Ges. Wien*, xxix. p. 251 (1879: Tundra of Podarata River, breeding); *Elwes*, *Ibis*, 1880, p. 392 (Denmark, ? breeding); *Seebohm*, *Ibis*, 1882, p. 224 (Astrachan), p. 381 (Archangel, summer); *B. O. U. List Brit. B.* p. 100 (1883); *Saunders*, *ed. Yarrell's Brit. B.* iii. p. 337 (1883); *Seebohm*, *Ibis*, 1883, p. 30 (Caucasus, on migration); *Severtz. t. c.* p. 75 (Pamir, Sept.); *Irby*, *t. c.* p. 187 (Santander, May); *Tristr. Faun. & Flor. Palest.* p. 132 (1884); *Radde*, *Orn. Casp.* p. 428 (1884: Caspian Sea in winter); *Saunders*, *Ibis*, 1884, p. 389 (S. Jean de Luz, March); *Whitehead*, *Ibis*, 1885, p. 42 (Corsica, May); *Dixon*, *t. c.* p. 86 (St. Kilda); *Seebohm*, *Hist. Brit. B.* iii. p. 184 (1885); *Verbury*, *Ibis*, 1886, p. 21 (Aden, winter); *Sharpe*, *t. c.* p. 107 (Muscat); *Pleske*, *Uebers. Säug. & Vög. Kola-Halb.* p. 344 (1886); *Tait*, *Ibis*, 1887, p. 390 (Portugal); *Chapman*, *Ibis*, 1888, p. 445 (Spain, Sept.); *Saunders*, *Man. Brit. B.* p. 589 (1889); *Reichen. Syst. Verz. Vög. Deutschl.* p. 48 (1889); *Brusina*, *Motr. etc.* (*Orn. Croat.*), p. 88 (1890); *Ogilvie-Grant*, *Ibis*, 1890, p. 442 (Madeira); *Gätke*, *Vogelw. Helgol.* p. 520 (1891); *Hart*, *Faun. & Flor. Sinai*, p. 226 (1891: Gaza and Ayum Musa); *Reiser*, *Vogels Landesm. Sarajevo*, p. 127 (1891); *Madarász*, *Erlaut. Aust. Ungar. Vogelf.* p. 110 (1891); *Frivaldsky*, *Av. Hung.* p. 140 (1891: autumn visitor); *Seebohm*, *Ibis*, 1892, p. 25 (Heligoland); *Hartert*, *t. c.* p. 515 (E. Prussia); *Fatio & Studer*, *Cat. distr. Ois. Suisse*, p. 48 (1892); *Lilford*, *Col. Fig. Brit. B.* part xxiv. (1893); *Barnes*, *Ibis*, 1893, pp. 171, 181 (Aden); *Meade-Waldo*, *t. c.* p. 204 (Canary Is.); *Blagg*, *t. c.* p. 350 (Shetland Is.); *Reichen. Vog. deutsch-Ost-Afr.* p. 41 (1894); *Reiser*, *Ornis Balcanica*, p. 109 (1894); *Pearson & Bidwell*, *Ibis*, 1894, p. 234 (N. Norway); *Chapman*, *t. c.* p. 343 (West Jutland); *Whitaker*, *Ibis*, 1895, p. 100 (Tunis); *Eagle-Clarke*, *t. c.* p. 207 (Delta of the Rhone); *Cones*, *Auk*, xii. p. 339 (1895: Heligoland).

Le Cincle, *D'Aubent. Pl. Enl.* viii. pl. 852; *Buff. Hist. Nat. Ois.* vii. p. 553 (1780).

La Brunette, *Buff. Hist. Nat. Ois.* vii. p. 493 (1780).

The Purre, *Lath. Gen. Syn.* iii. pt. i. p. 182 (1785).

The Dunlin, *Lath. tom. cit.* p. 185; *Yarrell*, *Brit. B.* ii. p. 658 (1843).

? Scolopax pusilla, *Gm. Syst. Nat.* i. p. 663 (1788).

Numenius variabilis, *Bechst. Natury. Deutschl.* iv. p. 141 (1809).

Tringa variabilis, *Meyer & Wolf*, *Taschenb.* ii. p. 397 (1810); *Temm. Man. d'Orn.* p. 385 (1815); *id.* 2nd ed. ii. p. 612 (1820); *Werner*, *Atlas*, *Grall.* pl. 11 (1827); *Hewits. Eggs Brit. B.* ii. p. 313, pl. lxxxviii. figs. 1, 2 (1846); *Webb & Berth. Orn. Canar.* p. 38 (1841); *Hodgs. Icon. ined. in Brit. Mus.*, *Grall.* pl. 93, no. 740; *id. in Gray's Zool. Misc.* p. 86 (1844); *Thomps. B. Ire.* ii. p. 288 (1850); *Bolle*, *J. f. O.* 1855, p. 176 (Canary Is.); *F. & P. Godman*, *Ibis*, 1861, p. 10 (Rhodes); *Severtz. Turkest. Jevotn.* p. 69 (1873: on passage); *Fallon*, *Ois. Belg.* p. 168 (1875); *Lilford*, *Ibis*, 1889, p. 340 (Cyprus, April, May).

Scolopax alpina, *Pall. Zoogr. Rosso-Asiat.* ii. p. 175, pt. (1811).

Tringa cinclus, *Leach, Syst. Cat. Mamm. etc. Brit. Mus.* p. 30 (1816); *Roux, Orn. Prov.* pl. 287 (1825); *Keys. & Blas. Wirb. Eur.* pp. lxxvi, 215 (1840); *Selys-Longch. Faun. Belge*, p. 125 (1842); *Mühle, Beitr. Orn. Griechenl.* p. 105 (1844); *Schl. Rev. Crit.* p. lxxxix (1844); *Gray, Gen. B.* iii. p. 579 (1845); *Macgill. Brit. B.* iv. p. 203 (1852); *Schl. Vog. Nederl.* pl. 231 (1854); *Heugl. Syst. Uebers.* p. 63 (1856: Egypt, Red Sea to end of May); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 467 (1859); *Linderm. Vög Griechenl.* p. 143 (1860); *Schl. Dier. Nederl. Vogels*, pl. 24. figs. 10, 11 (1861); *Wright, Ibis*, 1864, p. 148 (Malta, on passage); *Borggr. Norddeutschl.* p. 117 (1869); *Blanf. Geol. & Zool. Abyss.* p. 433 (1870: Zoulla, Jan.); *Finsch & Hartl. Vög. Ostafr.* p. 758 (1870); *Swinh. P. Z. S.* 1871, p. 408; *Gray, Hand-l. B.* iii. p. 49, no. 10310 (1871); *Heugl. Ibis*, 1872, p. 62 (Waigats Isl.); *Godm. t. c.* p. 221 (Canaries); *Shelley, B. Egypt*, p. 253 (1872); *Heugl. Orn. N.O.-Afr.* ii. Abth. i. p. 1183 (1873: Red Sea; Gulf of Aden; Senaar; Kordofan; Tana Lake); *Brooke, Ibis*, 1873, p. 339 (Sardinia); *Hayes Lloyd, t. c.* p. 417 (Kathiawar); *Hume, Str. F.* i. p. 243 (1873: Karachi); *Adam, t. c.* p. 396 (Sambhur, winter); *Irby, Orn. Straits Gibr.* p. 173 (1875); *Blanf. East. Persia*, ii. p. 283 (1876: Gwadar; Shiraz, Dec.); *Seebohm & Harvie-Brown, Ibis*, 1876, p. 293 (Lower Petchora, breeding); *Hartl. Vög. Madag.* p. 331 (1877); *Butler, Str. F.* v. pp. 233, 236 (1877: Karachi); *Hume, op. cit.* vii. p. 228 (1878: Raipur), p. 487 (Calcutta), viii. p. 113 (1879); *Bogd. B. Cauc.* p. 158 (1879); *Butler, Cat. B. Sind etc.* p. 63 (1879); *Reid, Str. F.* x. p. 70 (1881); *Murray, Vertebr. Faun. Sind*, p. 251 (1884).

Pelidna variabilis, *Steph. in Shaw's Gen. Zool.* xii. p. 98, pl. 88 (1824); *Brehm, Vög. Deutschl.* p. 662 (1831); *Olphe-Gall. Contr. Faun. Orn. Eur. Occ.* fasc. xiv. p. 91 (1891).

Pelidna alpina, *Brehm, Vög. Deutschl.* p. 661 (1831); *Salvad. Faun. Ital., Ucc.* p. 212 (1871); *Koenig, J. f. O.* 1890, p. 456 (Madeira), 1892, p. 90 (Tunis).

Pelidna schinzii, *Brehm, Vög. Deutschl.* p. 663 (1831); *Bp. Comp. List B. Eur. & N. Amer.* p. 50, pt. (1838); *Loche, Expl. Sci Algér., Ois.* ii. p. 312 (1867).

Pelidna calidris, *Brehm, Vög. Deutschl.* p. 663 (1831).

Tringa schinzii, *Naum. Vög. Deutschl.* vii. p. 453, Taf. 187 (1834); *Nordm. in Démid. Voy. Russ. Mérid.* iii. p. 238 (1840: Odessa); *Selys-Longch. Faun. Belge*, p. 125 (1842); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 467 (1859); *Linderm. Vög. Griechenl.* p. 143 (1860); *Sperling, Ibis*, 1868, p. 292 (E. Africa); *Fallon, Ois. Belg.* p. 169 (1875); *Reichen. Syst. Verz. Vög. Deutschl.* p. 49 (1889); *Gätke, Vogelw. Helgol.* p. 521 (1891); *Reiser, Vogels Landesm. Sarajevo*, p. 127 (1891: Oct., March); *Frivaldsky, Av. Hung.* p. 146 (1891); *Fatio & Studer, Cat. distr. Ois. Suisse*, p. 48 (1892).

Pelidna cinclus, *Bp. Comp. List B. Eur. & N. Amer.* p. 50 (1838); *Filippi, Viagg. Persia*, p. 351 (1865); *Gould, B. Gt. Brit.* iv. pls. 69, 70 (1867); *Degl. et Gerbe, Orn. Eur.* ii. p. 197 (1867); *Loche, Expl. Sci. Algér., Ois.* ii. p. 310 (1867); *Doderl. Avif. Sicil.* p. 189 (1869); *Fritsch, Vög. Eur.* tab. 38. fig. 4, t. 39. fig. 11 (1870); *Saunders, Ibis*, 1871, p. 388 (Spain, winter).

Tringa cinclus minor, *Schl. Rev. Crit.* p. lxxxix (1844); *id. Vog. Nederl.* pl. 232 (1854).

Schœniclus cinclus, *Gray, Cat. Mamm. etc. Nepal pres. Hodgs.* p. 140 (1846); *Heine & Reichen. Nomencl. Mus. Hein.* p. 329 (1890: Pomerania).

Tringa torquata, *Degl. Orn. Eur.* ii. p. 230 (1849: ex *Brisson*).
Pelidna torquata, *Doderl. Avif. Sicil.* p. 190 (1869).
Schoeniclus schinzii, *Heine & Reichen. Nomencl. Mus. Hein.* p. 339 (1890: Pomerania).
Pelidna schinzii, *Sharpe, Handb. Brit. B.* iii. p. 330 (1896).

Adult in winter plumage. General colour above ashy brown, with slightly indicated dusky centres to a few of the feathers, especially distinct on the wing-coverts, the greater series tipped with white, so as to form a wing-band; primary-coverts and quills dark brown, narrowly fringed with whitish and having white shafts; secondaries for the most part white, with a longitudinal dusky mark towards the end of the outer web; rump and upper tail-coverts brown like the back, the sides of the rump and the lateral tail-coverts pure white; centre tail-feathers also dark brown, the remainder light ashy brown, fringed with white at the ends and with white shafts; head like the back, with tiny dark centres to the feathers; lores dusky brown, surmounted by an indistinct whitish eyebrow; sides of face and ear-coverts light brown, with darker shaft-streaks; cheeks, throat, and under surface of body pure white, the lower throat and chest light ashy, with darker centres to the feathers, more distinct on the sides of the chest.

Adult male in summer plumage. General colour above bright sandy rufous, mottled with black centres to the feathers; the markings longitudinal on the head and neck, broader on the latter; on many of the feathers of the back and scapulars are remains of whitish edgings; rump dusky brown, with black centres to the feathers; upper tail-coverts black, with sandy-rufous edgings, the lateral ones white; wing-coverts brown, with darker brown centres to the feathers; the greater coverts edged with white at the tips; bastard-wing and primary-coverts dark brown, the latter with white tips; quills dusky brown, with whitish shafts; the secondaries white at base of the inner web, and also fringed with white at the ends; tail-feathers light brown, with white shafts and narrow white fringes; lores and a faint eyebrow dull whitish, with tiny streaks of black; remainder of sides of face sandy rufous, also lined with small streaks of blackish; the cheeks and throat whiter, but similarly lined; the lower throat tinged with sandy buff; fore-neck and chest white, with mesial streaks of black to all the feathers; remainder of under surface pure white, with a large horseshoe mark of black on the breast; the lower flanks and under tail-coverts lined with blackish; under wing-coverts and axillaries pure white, the primary-coverts light ashy, like the lower surface of the quills; bill, legs, and feet black; iris hazel. Total length 6·8 inches, culmen 1·1, wing 4·2, tail 1·9, tarsus 0·9, middle toe and claw 0·9.

Adult female in summer plumage. Similar to the male, but having the black horseshoe on the breast less strongly developed. In old birds, however, this is as strongly marked as in the male. Total length 5·8 inches, culmen 1·15, wing 4·4, tail 1·8, tarsus 1, middle toe and claw 1.

Young in first plumage. Above brown, with sandy-rufous edges to the feathers; under surface white, with scattered spots of dusky brown on the breast; throat whitish; fore-neck tinged with sandy buff.

The small form of the Dunlin, *Pelidna schinzi* of Brehm, is considered to be distinct by many authorities on Palæarctic ornithology. I consider it to be a race of the Dunlin, but neither its smaller size nor its supposed brighter coloration can be upheld as specific characters, as they are approached in both cases in a series of true *P. alpina* from other localities.

Hab. Breeding in the northern portions of Europe and Asia, somewhat further to the south in the latter continent, migrating in winter to the Mediterranean Sea and even to the Gulf of Aden, the shores of the Indian Ocean and the northern portions of the Indian Peninsula as far east as Calcutta.

a–d. Juv. st.	Orkneys.	Purchased.
e, f. Pull. sk.	Orkneys.	Gould Coll.
g. Pull. sk.	Orkneys.	Salvin-Godman Coll.
h, i, k. ♀ ad. sk.	Stromness, Orkney, Oct., Nov., April (*Dunn*).	Seebohm Coll.
l. ♂ ad. sk.	Stromness, May 16.	Edward Hargitt, Esq. [P.].
m. Pull. sk.	Shetland Islands.	Salvin-Godman Coll.
n–q. Ad. st.	Sutherlandshire.	Colonel Irby & Capt. Savile Reid [P.].
r. ♂ ad. sk.	Island of Tiree, June 1.	Colonel Irby [P.].
s–w. Ad. sk.	Firth of Forth (*R. G. W. R.*).	Tweeddale Coll.
x, y. ♂ ♀ ad. st.	Near Carlisle, Cumberland, May.	Rev. H. A. Macpherson [P.].
z–k'. ♂ ♀ ad. sk.	Warkworth, Northumberland, June, Nov. (*P. Godman*).	Salvin-Godman Coll.
l'. ♂ ad.; *m', n', o'.* Juv. sk.	Newbiggin, Aug. (*W.E.Brooks*).	Hume Coll.
p'. ♀ ad. sk.	Kirkwall.	W. Cowan, Esq. [P.].
q', r'. Ad. sk.	Lincolnshire.	Theodore Walker, Esq. [P.].
s'–x'. Ad. sk.	Tetney, Lincolnshire, Sept.	G. H. Caton Haigh, Esq. [P.].
y'. Ad. sk.	Whittlesea, Cambridgeshire (*F. Godman*).	Salvin-Godman Coll.
z'. Ad. sk.	Cambridgeshire.	Purchased.
a''–d''. ♂ ♀ ad. sk.	Wells, Norfolk, Sept., Oct.	Colonel Feilden [P.].
e''. ♀ ad. sk.	Great Yarmouth, Sept. 12 (*G. Smith*).	Seebohm Coll.
f'', g''. ♂ ad. sk.	Great Yarmouth (*G. Smith*).	Hume Coll.
h''. ♀ ad. sk.	Walberswick (*G. Smith*).	Hume Coll.
i''. Ad. sk.	Aldeburgh, Suffolk.	Theodore Fisher, Esq. [P.].
k'', l''. Ad. sk.	Suffolk, Nov.	Rev. S. O. Ridley [P.].
m''. Ad. st.	Tottenham.	Mr. W. S. Spooner.
n''. ♀ ad. st.	Kingsbury Reservoir, Sept. 7.	Harting Coll.
o'', p''. ♀ ad. et juv.; *q'', r''.* ♀ juv. sk.	Kingsbury Reservoir, May, Aug. to Oct. (*J. E. H.*).	Seebohm Coll.

s', t'. Ad. sk.	Margate, April (*R. B. Sharpe*).	Tweeddale Coll.
s''–s''. ♂ ad. et juv.; s^3–t^3. ♀ ad. et juv. sk.	Romney Marsh, Kent, May, Aug., Sept.	Dr. R. B. Sharpe [P.].
P. ♂ ad. sk.	Eastbourne.	Capt. Clark Kennedy [C.].
m^3. Ad. sk.	Brighton, Sussex.	Gould Coll.
n^3. Ad. st.	Brighton, May.	Harting Coll.
o^3, p^3. Ad. sk.	Brighton, May 1.	Seebohm Coll.
q^3. Imm. sk.	Bognor, Sussex.	Gould Coll.
r^3. ♀ ad. sk.	Pagham Harbour, May 9 (*J. E. H.*).	Seebohm Coll.
s^3. ♂ ad. sk.	Pagham Harbour, Sussex, May 9.	Dr. Günther [P.].
t^3–y^3. ♂ ad.; z^3–g^4. ♀ ad sk.	Pagham Harbour, Sept.	Dr. R. B. Sharpe.
h^4. Juv. sk.	Pagham Harbour, Aug. (*R. B. S.*).	Tweeddale Coll.
i^4. Ad. st.	Hayling Island, Hants.	J. W. Tyndall, Esq. [P.].
k^4. ♀ ad. sk.	Instow, North Devon, Sept. 23 (*J. E. H.*).	Seebohm Coll.
l^4. ♂ ad. sk.	Northam Burrows, Devon, Sept. 21 (*J. E. H.*).	Seebohm Coll.
m^4. Ad. sk.	Devonshire.	Montagu Coll.
n^4. Ad. sk.	Carmarthenshire.	Montagu Coll.
o^4. Juv. st.	Galway Bay.	C. Coningham, Esq. [P.].
p^4, q^4. ♂ ad.; r^4, s^4, t^4. ♀ ad. sk.	Vadsö, Norway, June 28 (*H.S.*).	Seebohm Coll.
u^4. ♂ ad. sk.	Sweden, May 26.	Hume Coll.
v^4. ♂ pull. sk.	Öland, Sweden (*W. Mews*).	Seebohm Coll.
w^4. Ad. sk.	Island of Sylt, Denmark.	Salvin-Godman Coll.
x^4. ♀ ad. sk.	Hiddensee, May 21.	Seebohm Coll.
y^4. ♂ ad. sk.	N. Germany, April 25.	Ernst Hartert, Esq. [P.].
z^4. Juv. sk.	N. Germany, June.	Seebohm Coll.
a^5 f^5. Ad. sk.	Heligoland, Sept., Oct., May.	Seebohm Coll.
g^5 k^5. Imm. sk.	Heligoland, Sept., Oct.	Frank Nicholson, Esq. [P.].
P. ♂; m^5, n^5, o^5. ♀ imm. sk.	Hungary, Sept.	Hungarian National Museum [P.].
p^5, q^5. ♂ ♀ ad. sk.	Havre, France, March, April (*E. Hargitt*).	Seebohm Coll.
r^5. ♀ ad. sk.	Sattenelles, France, Nov. 29.	Seebohm Coll.
s^5, t^5. ♂ ♀ ad. sk.	Valencia, Spain, March, Nov. (*H. Saunders*).	Seebohm Coll.
u^5, v^5, w^5. Ad. sk.	Gibraltar, April.	Colonel Irby [P.].
x^5. ♀ ad. sk.	Tangiers, March 25 (*G. E. Shelley*).	Seebohm Coll.
y^5, z^5. ♂ ♀ ad. sk.	Madeira, April, May.	W. R. Ogilvie Grant, Esq. [P.].
a^6. Ad. sk.	Tripoli, Dec. 24 (*Dickson & Ross*).	Gould Coll.
b^6. ♀ ad. sk.	Alexandria, Feb. 11 (*G. E. Shelley*).	Seebohm Coll.

c^6. ♂ ad. sk.	Lower Egypt, Feb. 17 (*Stafford Allen*).	Seebohm Coll.
d^6. ♂ ad. sk.	Port Said, April 8 (*E. C. Taylor*).	Seebohm Coll.
e^6. Ad. sk.	Zulla, Abyssinia, Jan. 23.	W. T. Blanford, Esq. [C.].
f^6. Ad. sk.	Aden, May 6 (*Major Yerbury*).	Hume Coll.
g^6. Ad. sk.	Berbera, Somali-land.	Dr. Crowfoot [P.].
h^6. ♀ ad. sk.	River Kishon, Palestine.	Canon Tristram [C.].
i^6, k^6. ♂ ad.; l^6. ♀ ad. sk.	Bournabat Scala, Smyrna, Dec. 1 (*C. G. Danford*).	Seebohm Coll.
m^6, n^6. ♂ ♀ ad.; o^6, p^6, q^6. Pull. sk.	Petchora River, June, July.	Seebohm Coll.
r^6, s^6, t^6. ♂ ♀ ad. sk.	Petchora River, June (*J. A. H. B.*).	J. A. Harvie-Brown, Esq. [P.].
u^6. ♂ ad. sk.	Tundra of the Podarata River, Aug. 2 (*Dr. Finsch*).	Geogr. Soc. Bremen.
v^6–c^7. ♂ ♀ ad. et juv. sk.	Yen-i-sei River, June, July.	Seebohm Coll.
d^7. ♀ ad. sk.	Shiraz, Persia, Dec.	Sir O. St. John [C.].
e^7–h^7. Ad. sk.	Muscat, Arabia.	Col. Miles [C.].
i^7. ♂ ad. sk.	Soumiani, Baluchistan, Feb. 20 (*W. T. Blanford*).	Hume Coll.
k^7, l^7. ♂ ad. sk.	Gwadar, Baluchistan, Dec., Jan. (*W. T. Blanford*).	Hume Coll.
m^7. Ad. sk.	Thirk, Sind, Dec. (*W. T. Blanford*).	Hume Coll.
n^7, o^7, p^7. ♂ ad.; q^7–t^7. ♀ ad. sk.	River Chenab, Sind, Dec. 9 (*A. O. H.*).	Hume Coll.
u^7, v^7. ♂ ad.; w^7, x^7, y^7. ♀ ad. sk.	Karachi, Feb. (*A. O. H.*).	Hume Coll.
z^7, a^8. ♂ ad.; b^8, c^8. ♀ ad. sk.	Karachi, March, Oct. (*E. A. Butler*).	Hume Coll.
d^8. Ad. sk.	Balacherry, Kattiawar, Oct. 19.	Colonel Hayes Lloyd [P.].
e^8, f^8, g^8. ♂ ad.; h^8, i^8. ♀ ad. sk.	Sambhur, Feb., March (*R. M. Adam*).	Hume Coll.
k^8. Ad. sk.	Lahore, March.	Hume Coll.
l^8, m^8. ♀ ad. sk.	Gurgaon distr., Dec. 31 (*A. O. H.*).	Hume Coll.
n^8. ♀ ad. sk.	Sultanpur, Gurgaon, Jan. 26 (*W. N. Chill*).	Hume Coll.
o^8–t^8. Ad. sk.	Etawah, winter.	Hume Coll.
u^8. Ad. sk.	Nepal.	Hodgson Coll.
v^8. ♂ ad. sk.	Raipur.	Hume Coll.
w^8. Ad. sk.	Deccan (*Burgess*).	Gould Coll.
x^8. Skeleton.	England.	**Purchased.**
y^8. Sternum.	England.	John Ray, Esq. [P.].

2. Pelidna americana.

Scolopax alpina (*nec L.*), *Pall. Zoogr. Ross.-Asiat.* ii. p. 176, pt. (1811).

Tringa variabilis (*nec Meyer u. Wolf*), *Sabine, Suppl. Parry's 1st Voy.* p. cc (1819); *id. in Frankl. Journ.* p. 686 (1823); *Richardson in Parry's 2nd Voy.* p. 353 (1824); *Temm. & Schl. Faun. Jap.* p. 108 (1847); *Dyb. J. f. O.* 1868, p. 337 (Darasun).

Tringa cinclus (*nec Linn.*), *Wilson, Amer. Orn.* vii. p. 39, pl. 57. fig. 3 (1813); *Middend. Reis. Sibir., Zool.* p. 22 (1851: Taimyr River; Boganida River, breeding); *Schrenck, Reis. Amurl.* p. 421 (1859: Amoor, May); *Swinh. Ibis*, 1860, p. 66 (Amoy); *id. Ibis*, 1875, p. 455 (Hakodadi); *Tacz. Bull. Soc. Zool. France*, i. p. 268 (1876: Kultuk); *Blakist. & Pryer, Ibis*, 1879, p. 221 (Yezo; Tokio): *Dybowski, Bull. Soc. Zool. France*, ix. p. 146 (1884: Kamtschatka); *Blakist. Amended List B. Japan*, p. 11 (1884: Yezo and Japan generally, winter); *Tacz. P. Z. S.* 1887, p. 610, 1888, p. 468 (Corea); *Styan, Ibis*, 1891, pp. 330, 506 (Lower Yangtse, April, May, Oct., Nov.); *De La Touche, Ibis*, 1892, p. 498 (Foochow); *Styan, Ibis*, 1893, p. 437 (Hainan).

Tringa alpina (*nec L.*), *Ord ed. Wilson's Amer. Orn.* vii. p. 25, pl. 57. fig. 3 (1824); *Audub. B. Amer.* pl. ccxc.; *Swains. & Rich. Faun. Bor.-Amer., Birds*, p. 383 (1831: Arctic shores, breeding); *Audub. Orn. Biogr.* iii. p. 580 (1835); *id. B. Amer.* 8vo, v. p. 266, pl. 332 (1842); *Giraud, B. Long Isl.* p. 228 (1844); *Blakist. Ibis*, 1862, p. 330 (Japan, Oct.); *Swinh. Ibis*, 1863, p. 411, 1866, p. 136 (Formosa, Sept.); *Whitely, Ibis*, 1867, p. 205 (Hakodadi, Nov., Jan.); *Swinh. Ibis*, 1873, p. 308 (Shanghai, April); *Adams, Ibis*, 1878, p. 438 (Michalaski, breeding); *Merrill, Proc. U.S. Nat. Mus.* i. p. 161 (1878: Fort Brown, Texas); *Maynard, B. East. N. Amer.* p. 384 (1879); *Seebohm, Ibis*, 1884, p. 268 (Kiukiang); *Smith, Auk*, iii. p. 140 (1886: Washington, D.C.); *Ridgw. Man. N. Amer. B.* p. 159 (1887); *Lloyd, Auk*, iv. p. 186 (1887: Kickapoo Creek, Oct.); *Seebohm, B. Japan. Emp.* p. 334 (1890); *Hagerup, B. Greenland*, p. 55 (1891); *Campbell, Ibis*, 1892, p. 246 (Corea).

Pelidna cinclus (*nec L.*), *Bp. Comp. List B. Eur. & N. Amer.* p. 50 (1838).

Tringa alpina, var. americana, *Cass. B. N. Amer.* p. 719 (1858); *Brewer, Ibis*, 1868, p. 425 (Vancouver Isl.); *Coues, Key N. Amer. B.* p. 256 (1872); *Snow, B. Kansas*, p. 10 (1873); *Ridgw. Ann. Lyc. N. Y.* x. p. 384 (1874: Illinois); *Coues, B. N.-West*, p. 490 (1874); *Merrill, Proc. U.S. Nat. Mus.* i. p. 161 (1878: Texas, May); *Baird, Brewer, & Ridgw. Water-Birds N. Am.* i. p. 241 (1884).

Pelidna americana, *Coues, Proc. Acad. Nat. Sc. Philad.* 1861, p. 1880; *Lawr. Ann. Lyc. N. Y.* ix. p. 204 (1868: New Jersey); *Allen, Bull. Mus. C. Z.* ii. p. 355 (1871: Florida).

Pelidna pacifica, *Coues, Pr. Acad. Nat. Sc. Philad.* 1861, p. 180.

Pelidna alpina (*nec Linn.*), *Reinh. Ibis*, 1861, p. 11 (Greenland); *Salvad. Uc. Born.* p. 323 (1874: Java; S. Borneo); *Ridgway, Pr. U.S. Nat. Mus.* iii. p. 222 (1880); *Coues, Check-list N. Amer. B.* p. 101 (1882); *Baird, Brewer, & Ridgway, Water-B. N. Amer.* i. p. 241 (1884); *Everett, Journ. Straits Branch As. Soc.* 1889, p. 207 (S. Borneo).

Pelidna alpina, var. americana, *Dall & Bann. Tr. Chic. Acad.* i. p. 291 (1869: Alaska, breeding); *Allen, Bull. Harv. Coll.* iii. p. 182 (1872: Great Salt Lake Valley).

Pelidna alpina americana, *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 200 (1880); *Coues, Check-list N. Am. B.* p. 102 (1882); *Bean, Proc. U.S. Nat. Mus.* v. pp. 165, 173 (1882: Cape Lisburn, Alaska; Icy Cape, Aug.; Pt. Belcher, Aug.; Plover Bay, E. Siberia); *Nelson, Cruise R.S. 'Corwin,'* p. 98 (1883: Alaska and Siberia, summer); *Belding, Proc. U.S. Nat. Mus.* vi. p. 351 (1883: Lower California); *Coues, Key N. Amer. B.* 2nd ed. p. 631 (1884); *Drew, Auk*, ii. p. 18 (1885: Colorado); *Murdoch, t. c.* p. 68

(Pt. Barrow, May, Sept.); *id. Exped. Point Barrow, Alaska*, p. 113 (1885: breeds).

Tringa cinclus, var. chinensis, *Dyb. P. Z. S.* 1871, p. 408.

Pelidna alpina pacifica, *Stejn. Bull. U.S. Nat. Mus.* no. 29, p. 120 (1885: Bering Isl., May, Oct.).

Tringa alpina pacifica, *A. O. U. Check-list N. Amer. B.* p. 152 (1886); *Turner, Contr. Nat. Hist. Alaska*, p. 147 (1886: June to Oct.); *Scott, Auk.* iii. p. 386 (1886: Tucson, Ariz.); *Ridgw. Man. N. Amer. B.* p. 160 (1887); *Towns. Pr. U.S. Nat. Mus.* x. pp. 198, 235 (1887: N. Calif., winter); *Nelson, Nat. Hist. Coll. Alaska*, p. 110 (1887); *Palmén, Vega-Exped., Fogelf.* p. 309, pt. (1887); *Stejn. Proc. U.S. Nat. Mus.* x. p. 130 (1887: Bering Island); *id. Auk*, v. p. 307 (1888); *Cooke, Bull. U.S. Agric.* no. 2, p. 93 (1888: Mississippi Valley); *Scott, Auk*, vi. p. 157 (1889: Tarpon Springs, winter; St. John's Pass, June); *Eagle-Clarke, Auk*, vii. p. 321 (1890: Fort Churchill, Hudson's Bay); *Thompson, Proc. U.S. Nat. Mus.* xiii. p. 501 (1890: Manitoba, migrant); *Lawr. Auk*, ix. p. 43 (1892: Gray's Harbour, Washington); *Scott, t. c.* p. 212 (Florida); *Allen, Auk*, x. p. 123 (1893); *Tacz. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 897 (1893).

Tringa pacifica, *Towns. Proc. U.S. Nat. Mus.* x. p. 163 (1887: Northern California).

Adult male in breeding-plumage. Similar to *P. alpina*, but larger, with a longer bill, and further distinguished by the pure white chin and upper throat, and by a crescent of pure white across the fore-neck, above the black horseshoe; the black streaks on the lower throat and fore-neck much finer and less pronounced: "bill and feet olive-black; iris dark brown" (*L. Stejneger*). Total length 7·7 inches, culmen 1·7, wing 4·85, tail 2·2, tarsus 1·1, middle toe and claw 0·85.

Adult female in breeding-plumage. Similar to the male. Total length 8 inches, culmen 1·7, wing 4·7, tail 2·2, tarsus 1·1, middle toe and claw 1·05.

Adult in winter plumage. Similar to the winter plumage of *P. alpina*, but larger, and somewhat more ashy on the throat and chest than in that species.

Hab. N. America generally. Eastern Siberia south to China.

a. ♂ ad. sk.	Alaska, May 8.	Seebohm Coll.
b, c. ♂ ad.; *d.* ♀ juv. sk.	Pt. Barrow, Alaska, June, Aug. (*J. Murdoch*: *Hensh. Coll.*).	Salvin-Godman Coll.
e, f. ♂ ad.; *g, h, i.* ♂ ♀ juv. sk.	St. Michael's, Alaska, May to Sept. (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
k. ♂ juv. sk.	Cape Lisburne, Alaska, Aug. 21 (*T. H. Bean*).	Seebohm Coll.
l. Juv. sk.	Sitka.	Capt. Kellett and Lieut. Wood [P.].
m. Ad. sk.	Sitka, Oct. (*F. Bischoff*).	Salvin-Godman Coll.
n, o. Ad. sk.	Vancouver Island.	J. K. Lord, Esq. [C.].
p. Ad. sk.	British Columbia.	J. K. Lord, Esq. [C.].
q. Ad. sk.	California.	Salvin-Godman Coll.

r, *s*. ♂ ad. sk.	San Diego, California, Dec. 9 (*H. W. Henshaw*).	Salvin-Godman Coll.
t, *u*, *v*. ♀ ad. sk.	San Francisco, Dec. 19 (*H. W. Henshaw*).	Salvin-Godman Coll.
w–*z*. Juv. sk.	Arctic America (*Sir G. Back*).	Northern Land Expedition.
a', *b'*. Ad. sk.	Repulse Bay.	Dr. Rae [P.].
c'. Ad. sk.	Canada.	Seebohm Coll.
d'. Ad. sk.	Canada (*Sir C. Shelley*).	Tweeddale Coll.
e'. ♂ ad. sk.	Long Island, N. Y., Sept. 24 (*A. K. Fisher*: *Hensh. Coll.*).	Salvin-Godman Coll.
f'–*i'*. ♂ ♀ ad. sk.	Ipswich, Mass. (*C. J. Maynard*).	Seebohm Coll.
k', *l'*. ♂ ♀ juv. sk.	Cambridge, Mass., Sept. Oct. (*H. W. Henshaw*).	Salvin-Godman Coll.
m'. Ad. sk.	Boston, Mass.	Seebohm Coll.
n'. Ad. sk.	Philadelphia (*Krider*).	Seebohm Coll.
o', *p'*. ♂ ad.; *q'*, *r'*, *s'*. ♀ ad. sk.	Waukegan, Ill., May (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
t'. Ad. sk.	Ainsworth, Ill., Oct. (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
u'. Ad. sk.	Riverdale, Ill., May 31 (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
v', *w'*. ♂ ad. sk.	Brownsville, Texas, May 14 (*F. B. Armstrong*).	Salvin-Godman Coll.
x', *y'*. ♂ ad.; *z*–*e*^{2}. ♀ ad. sk.	Corpus Christi, Texas, May, Oct., Nov. (*F. B. Armstrong*).	Salvin-Godman Coll.
f^{2}–*q'*. ♂ ad.; *r*^{2}–*f*^{2}. ♀ ad. sk.	Tarpon Springs, Florida, Oct. to April (*W. E. D. Scott*).	Salvin-Godman Coll.
g^{2}, *h*^{2}. ♂ ♀ ad. sk.	Cedar Keys, Florida, Nov. (*H. W. H.*).	Salvin-Godman Coll.
i^{2}. ♂ ad. sk.	Momotombo, Nicaragua, May 23 (*W. B. Richardson*).	Salvin-Godman Coll.
k^{2}. ♂ ad. sk.	Bering Island, May 28 (*L. Stejneger*).	Seebohm Coll.
l^{2}–*r*^{2}. ♂ ♀ ad. et imm. sk.	Mouth of the Amur River, May, Sept. (*Dörries*).	Seebohm Coll.
s^{2}–*a*^{4}. Ad.; *b*^{4}. Juv. sk.	Kurile Islands (*Snow*).	Seebohm Coll.
c^{4}. Ad. sk.	Corea.	C. W. Campbell, Esq. [P.].
d^{4}–*h*^{4}. Ad.; *i*^{4}. Juv. sk.	Yokohama, Japan (*H. Pryer*).	Seebohm Coll.
k^{4} *l*^{4}. Ad. sk.	Nagasaki, Jan., Nov.	F. Ringer, Esq. [P.].
m^{4}. ♂ ad. sk.	S. Yeso, Japan (*Blakiston*).	Tweeddale Coll.
n^{4}. ♂ ad. sk.	Hakodadi, Jan. 26 (*H. Whitely*).	Gould Coll.
o^{4}–*u*^{4}. Ad. sk.	Amoy, China, Oct. to Feb. (*R. Swinhoe*).	Seebohm Coll.
v^{4}. Ad. sk.	Amoy, Nov. (*R. S.*).	Hume Coll.
w^{4}–*z*^{4}. Ad. sk.	Amoy, Oct. (*R. S.*).	Tweeddale Coll.
a^{5}. Ad. sk.	Canton (*Tuckett*).	Tweeddale Coll.
b^{5}. ♂ ad. sk.	Shanghai, Sept. (*R. S.*).	Seebohm Coll.
c^{5}, *d*^{5}. Ad. sk.	Kiukiang, Dec., Jan.	F. W. Styan, Esq. [P.].
e^{5}. Ad. sk.	Chusan.	Purchased.
f^{5}, *g*^{5}. Ad. sk.	S.W. Formosa (*R. S.*).	Seebohm Coll.
h^{5}. ♀ ad. sk.	Zaidam, Nov. (*Prjevalski*).	Seebohm Coll.

69. LIMICOLA.

Type.

Limicola, *Koch, Syst. baier. Zool.* p. 316 (1816) .... L. platyrhyncha.

Range. Northern Europe and Siberia, migrating south in winter to the countries of the Mediterranean and the Red Sea, the Indian Peninsula and Ceylon, China, to the Philippines, and the Malay Archipelago to the Moluccas.

1. Limicola platyrhyncha.

Numenius pygmæus (*nec Lath.*), *Bechst. Orn. Taschenb.* p. 277. Taf. 21 (1802).

Numenius pusillus (*nec Linn.*), *Bechst. Gemein. Naturg. Deutschl.* iv. p. 152 (1809).

Tringa platyrhyncha, *Temm. Man. d'Orn.* p. 398 (1815); *id.* 2nd ed. ii. p. 616 (1820); *Werner, Atlas, Grall.* pl. 10 (1827); *Gould, B. Eur.* iv. pl. 331 (1837); *Schl. Rev. Crit.* p. xc (1844); *Gray, Gen. B.* iii. p. 579 (1845); *Blyth, Cat. B. Mus. As. Soc.* p. 269 (1849: Calcutta); *Thomps. B. Irel.* ii. p. 282 (1850: Belfast Bay, Oct.); *Kjærb. Danm. Fugle*, pl. 35. fig. 5 (1851); *Macgill. Brit. B.* iv. p. 224 (1852); *Hewits. Eggs Brit. B.* ii. p. 359, pl. C (1856); *Sundev. Sv. Fogl.* pl. 43 fig. 3 (1859); *Swinhoe, Ibis*, 1862, p. 255 (Foochow), 1863, p. 412 (Formosa, Sept.); *id. P. Z. S.* 1863, p. 316; *Jerd. B. Ind.* iii. p. 692 (1864); *Schl. Mus. Pays-Bas, Scolopaces*, p. 49 (1864: Red Sea; Formosa; Java); *id. & Pollen, Faune Madag., Ois.* p. 160 (1868); *Wright, Ibis*, 1869, p. 253 (not observed in Malta); *Elwes & Buckley, Ibis*, 1870, p. 331 (Bosphorus); *Swinhoe, t. c.* p. 363 (Hainan); *id. P. Z. S.* 1871, p. 408 (China and Formosa, winter); *Gray, Hand-l. B.* iii. p. 49 no. 10305 (1871); *Meves, Œfvers. K. Vet.-Akad. Förh. Stockh.* 1871, p. 777 (N.W. Russia); *Harting, Handb. Brit. B.* p. 141 (1872); *Holdsw. P. Z. S.* 1872, p. 474 (Ceylon); *Swinhoe, Ibis*, 1873, p. 424 (Shanghai); *Heugl. Orn. N.O.-Afr.* ii. Abth. i. p. 1185 (1873); *Hume, Str. F.* i. p. 244 (1873: Karachi); *id. ibid.* ii. p. 298 (1874: Andamans); *Fallon, Ois. Belg.* p. 169 (1875); *Blyth & Wald. B. Burm.* p. 156 (1875: Arakan); *Blanf. East. Persia*, ii. p. 284 (1876); *Armstrong, Str. F.* iv. p. 343 (1876: China-ba-keer); *David & Oust. Ois. Chine*, p. 470 (1877); *Tiraut, Bull. Agric. Cochinchine*, (3) i. p. 159 (1879); *Blakist. & Pryer, B. Japan*, p. 112 (1882: Yokohama; Hakodadi); *Severtz. Ibis*, 1883, p. 75 (Karakul, Aug.); *Saunders, ed. Yarrell's Brit. B.* iii. p. 362 (1883); *Seebohm, Ibis*, 1884, p. 33 (Hakodadi); *Blakist. Amended List B. Japan*, pp. 11, 37 (1884); *Seebohm, Hist. Brit. B.* iii. p. 197 (1885); *id. Geogr. Distr. Charadr.* p. 433 (1888); *id. B. Japan. Emp.* p. 337 (1890); *Sharpe, Ibis*, 1891, p. 114 (Fao, Aug., Sept.); *Styan, t. c.* pp. 330, 506 (Lower Yangtse); *Gätke, Vogelw. Helgol.* p. 525 (1891); *Seebohm, Ibis*, 1892, p. 25 (Heligoland); *De La Touche, t. c.* p. 499 (Foochow and Swatow); *Fatio & Studer, Cat. distr. Ois. Suisse*, p. 50 (1892); *Styan, Ibis*, 1893, p. 437 (Hainan).

Limicola pygmæa (*nec Lath.*), *Koch, Syst. baier. Zool.* p. 318 (1816); *Naumann, Vög. Deutschl.* viii. p. 270, pl. 207 (1836); *Nordm. in Démid. Voy. Russ. Mérid.* iii. p. 250 (1840: Odessa, spring); *Keys. & Blas. Wirb. Eur.* pp. lxxvii, 216 (1840); *Fritsch, J. f. O.* 1854, p. 280 (Bohemia); *Jäckel, t. c.* p. 362; *Bp. C. R.* xliii. p. 596 (1856); *Heugl. Ibis*, 1859, p. 384; *Linderm. Vög. Griechenl.* p. 144 (1860); *Heugl. J. f. O.* 1861, p. 197 (Gulf of Suez); *Loche, Expl. Sci. Algér., Ois.* ii. p. 304 (1867); *Borggr. Vogelf.*

Norddeutschl. p. 118 (1869); *Doderl. Avif. Sicil.* p. 191 (1869); *Droste, Vogelw. Borkum*, p. 232 (1869); *Fritsch, Vög. Eur.* pl. 38. fig. 11 (1870); *Gould, B. Gt. Brit.* iv. pl. 75 (1870); *Salvad. Faun. Ital., Ucc.* p. 211 (1871); *Collett, Norges Fugle*, p. 87 (1881); *Gigl. Iconogr. Arif. Ital.* no. 282; *Bogd. Consp. Av. Imp. Ross.* p. 101 (1884); *Frivaldsky, Av. Hung.* p. 148 (1891).

Tringa eloroides, *Vieill. N. Dict. d'Hist. Nat.* xxxiv. p. 463 (1819).

Tringa pygmæa (*nec Lath.*), *Savi, Orn. Tosc.* ii. p. 291 (1829); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 469 (1859); *Gray, Cat. Brit. B.* p. 170 (1863: Norfolk); *Blyth, Ibis*, 1867, p. 166 (Calcutta); *Palmén, Finl. Fogl.* p. 217 (1873).

Pelidna platyrhincha, *Brehm, Vög. Deutschl.* p. 659 (1831); *Bp. Comp. List B. Eur. & N. Amer.* p. 50 (1838); *Degl. et Gerbe, Orn. Eur.* ii. p. 206 (1867).

The Broad-billed Sandpiper, *Yarrell, Brit. B.* ii. p. 638 (1843).

Limicola platyrhyncha, *Gray, List Grall. Brit. Mus.* p. 107 (1844: India); *Hartl. J. f. O.* 1854, p. 160 (Ceylon); *Dyb. J. f. O.* 1873, p. 103 (Kultuk, Aug.); *Salvad. Ucc. Born.* p. 322 (1874); *Dresser, B. Eur.* viii. p. 3, pl. 545 (1876); *Tacz. Bull. Soc. Zool. France*, i. p. 254 (1876), ii. p. 157 (1877: Poland); *Hume & Davison, Str. F.* vi. p. 461 (1878: Amherst); *Hume, op. cit.* vii. p. 487 (1878: Calcutta); *id.* viii. p. 113 (1879); *Butler, Cat. B. Sind &c.* p. 68 (1879); *Legge, B. Ceylon*, p. 898 (1880); *Salv. Cat. Strickl. Coll.* p. 609 (1882: Pomerania); *Collett, Norges Fugle*, p. 87 (1881); *B. O. U. List Brit. B.* p. 167 (1883); *Oates, Handb. B. Brit. Burm.* ii. p. 387 (1883); *Murray, Vertebr. Faun. Sind*, p. 252 (1884); *Gigl. Arif. Ital.* p. 382 (1886); *Salvad. Elenco Ucc. Ital.* p. 217 (1886); *Pleske, Uebers. Säug. u. Vög. Kola-Halb.* p. 342 (1886); *Gigl. & Salvad. P. Z. S.* 1887, p. 586; *Blasius, Ornis*, 1888, p. 319 (Palawan); *Saunders, Man. Brit. B.* p. 563 (1889); *Reichen. Syst. Verz. Vög. Deutschl.* p. 49 (1889); *Everett, Journ. Straits Branch As. Soc.* 1889, p. 207 (Palawan); *Gigl. Arif. Ital., 1st Resoc.* p. 585 (1889); *id. 2nd Resoc.* p. 654 (1890); *id. 3rd Resoc.* p. 513 (1891); *Heine & Reichen. Nomencl. Mus. Hein.* p. 329 (1890: Pomerania); *Steere, List Birds & Mamm. Exped. Philipp.* p. 26 (1890: Negros); *Lilford, Col. Fig. Brit. B.* pt. xxiv. (1893); *Reiser, Ornis Balcanica*, p. 170 (1894).

Limnicola pygmæa (*nec Lath.*), *Reichenb. Grall.* tab. lxx. figs. 608, 609 (1850).

Tringa (Limicola) pygmæa (*nec Lath.*), *Middend. Reis. Sibir., Zool.* p. 223 (1851: S. coast of the Sea of Ochotsk).

Limicola platyryncha, *Licht. Nomencl. Av. Mus. Berol.* p. 92 (1854: Bengal).

Limicola hartlaubi, *Verreaux, in Vinson's Voy. Madag.*, Ann. B, p. 5 (1865); *Hartl. Vog. Madag.* p. 332 (1877).

Tringa hartlaubi, *Gray, Hand-l. B.* iii. p. 49, no. 10306 (1871).

Limicola sibirica, *Dresser, P. Z. S.* 1876, p. 674 (Siberia and China); *Bogd. Consp. Av. Imp. Ross.* p. 101 (1884); *Tacz. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 924 (1893).

Adult male in winter plumage. General colour above light ashy grey, somewhat paler on the edges of the feathers, which have dusky-brown centres; lower back, rump, and upper tail-coverts blackish, with slight remains of sandy-buff fringes; sides of rump and lateral upper tail-coverts white; wing-coverts rather darker than the back, the marginal ones dark brown, the median series blackish in the centre with hoary white margins; the greater series dusky blackish edged with hoary grey, inclining to white at the

ends, and forming a narrow band across the wing; bastard-wing and primary-coverts black tipped with white, the latter broadly; quills black, paler brown on the inner webs of the primaries, excepting at the tips, which are black; secondaries merely fringed with white near the ends, and with a little white towards the base of the inner web, the inner secondaries ashy like the back, the shafts of all the quills white or whity brown; centre tail-feathers blackish like the upper tail-coverts, the rest ashy brown with white shafts and white fringes; crown of head like the back; the lores dusky, surmounted by a broad white streak, which is continued into a narrow eyebrow; sides of face white, with a few tiny streaks of dusky brown; ear-coverts uniform dusky brown; under surface of body white, with a few streaks of dusky brown on the lower throat and sides of breast; under wing-coverts and axillaries white, the marginal coverts mottled with dusky bases, the lower primary-coverts ashy: bill dusky black; legs and feet slaty black; iris dark brown. Total length 6·5 inches, culmen 1·3, wing 4·1, tail 1·6, tarsus 0·8.

Adult male in breeding-plumage. General colour above black, slightly varied with rufous edgings to the feathers, some of those of the mantle, scapulars, inner greater coverts, and inner secondaries having sandy-buff margins, the black forming large sub-terminal spots; crown of head black, with a sandy-buff lateral stripe; lores black; sides of face rufescent, thickly spotted with dusky black like the sides of the neck; the ear-coverts rufous, and surmounted by a pale buff eyebrow, which becomes lighter above the lores; chin and under surface of body white, the throat, fore-neck, and chest thickly spotted with dusky blackish, the spots on the fore-neck and chest somewhat arrow-shaped, as they are also along the sides of the body, all these parts slightly tinged with rufous; lateral upper tail-coverts barred with black; tail-feathers as in the winter plumage, but with a more extensive area on the inner webs. Total length 6·5 inches, culmen 1·2, wing 4·15, tail 1·5, tarsus 0·8.

Adult female in breeding-plumage. Similar to the male, but not quite so plentifully spotted underneath. Total length 6·5 inches, wing 4·3.

Young birds. Very similar to the summer plumage of the adults, being rufous above, mottled with black centres to the feathers, and having very broad whitish margins; centre of the crown black, the outer tail-feathers having a great deal of white on the inner webs, confining the ashy-grey colour to a broad marginal line; the fore-neck slightly tinged with buff, as also the sides of the upper breast, these parts being very scantily streaked with brown. During the first winter the pale edges become worn off, so that the general aspect of the upper surface is black.

The summer plumage is gained by a darkening of the centre of the feathers of the upper surface, which become gradually blacker; the head becomes blackish, and the streaks on the breast much more emphasized.

Mr. Dresser has separated an Eastern form of the Broad-billed Sandpiper under the name of *L. sibirica*—a species which

Mr. Seebohm does not recognize. The more rufous colour of the Chinese birds is, however, very apparent: but I have not had a sufficient number of specimens of the Siberian bird, in breeding-plumage, to compare with those of Northern Europe, and it seems to me probable that the rufous colour of the Chinese birds is due to the fact that they are on their way north to breed, and that the rufous margins have not become abraded. I have failed to find any difference in measurements or plumage in specimens procured during winter.

Hab. The same as that of the genus.

a, *b*. ♀ ad. et juv. sk.	Quickjok, Lapland, June, Sept. (*H. Wheelwright*).	Seebohm Coll.
c, *d*, *e*. ♀ ad. sk.	Finmark, June (*W. Meves*).	Seebohm Coll.
f, *g*. ♂ ♀ ad. sk.	Gottenburg, Sweden, June, July (*R. Duff*).	Seebohm Coll.
h. ♀ ad. sk.	Oland, May 24 (*W. Meves*).	Seebohm Coll.
i. ♀ juv. sk.	Venice, Aug. 23.	Seebohm Coll.
k. Ad. sk.	Egypt.	Seebohm Coll.
l–*q*. Ad. et juv. sk.	Fao, Persian Gulf, Aug., Sept.	W. D. Cumming, Esq.
r. ♂ ad. sk.	Pusnee, Mekran Coast, Feb. 14 (*A. O. H.*).	Hume Coll.
s. ♀ ad. sk.	Karachi, Sind, Jan. 9 (*W. T. Blanford*).	Seebohm Coll
t–*w*. ♂ ad.; *x*–*a'*. ♀ ad. sk.	Karachi, Feb. (*A. O. H.*).	Hume Coll.
b'. Ad. sk.	Ceylon (*H. Nevill*).	Tweeddale Coll.
c'. Juv. sk.	Madras (*R. G. W. R.*).	Tweeddale Coll.
d', *e'*. Ad. sk.	Madras, April.	Hume Coll.
f'–*k'*. Ad. sk.	Calcutta.	India Museum.
l'. ♂ ad. sk.	Calcutta, Dec.	Hume Coll.
m'. Ad. sk.	Calcutta.	Seebohm Coll.
n'. ♀ ad. sk.	Calcutta.	Godwin-Austen Coll.
o'–*r'*. Ad. sk.	Elephant Point, Rangoon, Dec. (*J. Armstrong*).	Hume Coll.
s'. Ad. sk.	Pegu, Oct. 4 (*E. W. O.*).	Oates Coll.
t'–*w'*. ♂ ♀ ad. sk.	Amherst, Tenasserim, Jan. 2 (*W. Davison*).	Hume Coll.
x'. ♂ ad. sk.	Wippitan, Dec. 12 (*J. Darling*).	Hume Coll.
y'. ♀ ad. sk.	Mergui, Jan. (*W. Davison*).	Hume Coll.
z, *a''*, *b''*. Ad. sk.	Aberdeen, S. Andamans, Dec. 26 (*W. Davison*).	Hume Coll.
c'', *d''*, *e''*. ♀ ad. sk.	Salangore, Malayan Peninsula, Jan., Feb. (*W. D.*).	Hume Coll.
f'', *g''*. ♂ ad. et imm. sk.	Singapore, Sept., Oct. (*W. Davison*).	Hume Coll.
h''. ♂ juv.; *i''*, *k''*, *l''*. ♀ juv. sk.	Mouth of the Amur River, Aug. (*Dorries*).	Seebohm Coll.
m''. ♀ juv. sk.	Hakodadi, Japan.	Seebohm Coll.
n''. Juv. sk.	Yokohama.	Seebohm Coll.
o'', *p''*. ♂ ♀ ad. sk.	Amoy, Nov.	Seebohm Coll.
q''. Ad. sk.	Shanghai, April.	Tweeddale Coll.
r''. ♀ ad. sk.	Shanghai.	Tweeddale Coll.
s''. ♀ ad. sk.	Shanghai.	Seebohm Coll.
t'', *u''*. ♂ ♀ ad. sk.	N. Bohol, Philippine Is., Oct.	Tweeddale Coll.
v''. ♂ ad. sk.	Negros, Feb. 6 (*J. B. S.*).	Steere Coll.
w''. ♂ ad. sk.	Amboina.	Wallace Coll.

70. GALLINAGO.

	Type.
Gallinago, *Leach, Syst. Cat. Mamm. etc. Brit. Mus.* p. 30 (1816)	G. major.
Telmatias, *Boie, Isis*, 1826, p. 979	G. stenura.
Pelorynchus, *Kaup, Natürl. Syst.* p. 119 (1829)	G. gallinago.
Nemoricola, *Hodgs. J. A. S. Beng.* vi. p. 491 (1837).	G. nemoricola.
Homoptilura, *Gray, List Gen. B.* 1840, p. 70	G. undulata.
Xylocota, *Bp. C. R.* xli. p. 660 (1855)	G. jamesoni.
Cœnocorypha, *Gray, List Gen. B.* 1855, p. 19	G. aucklandica.
Spilura, *Bp. C. R.* xliii. p. 579 (1856)	G. solitaria.

Range. Nearly cosmopolitan.

The Snipes vary considerably in style of plumage and in the amount of feathering on the tibio-tarsal joint, the latter being a character frequently made use of in their classification, but one which varies so much in degree that I have not been able to avail myself of it. The markings of black on the head and neck of the Woodcocks seem to afford a character of generic importance to separate them from the Snipes, and thus I consider *Neoscolopax* of Salvadori to be a recognizable genus of Mountain Woodcocks.

Key to the Species.

a. With red in the tail, forming a broad subterminal band, conspicuous at first sight; crown with a longitudinal pale mesial stripe.
a'. Lower breast and abdomen white, not transversely barred.
a''. With no bars or transverse markings on the outer primaries; only the first primary white along the outer web.
a'''. Outer tail-feathers stiffened and very narrow, less than 0·3 inch broad. (*Wire-tailed Snipes.*)
*a*⁴. Tail-feathers 26 in number, of which 8 on each side are less than 0·2 inch ..... *stenura*, p. 619.
*b*⁴. Tail-feathers 20 in number, of which 6 on each side are less than 0·3 inch, the outer ones being still narrower, but not so attenuated as in the preceding ..... *megala*, p. 624.
b'''. Outer tail-feathers not perceptibly stiffened, and not exceptionally narrow, more than 0·3 inch broad. (*Fan-tailed Snipes.*)
*c*⁴. Three outer tail-feathers pure white, or with a few obsolete dusky spots at wide intervals; wing-coverts with terminal bars or spots of pure white, not sandy buff or rufous; tail-feathers 16 in number.
*a*⁵. Three outer tail-feathers pure white, without any spots or bars; general aspect above sandy buff,

mottled or streaked with black; inner secondaries with rufous-buff bars on the outer web..... *major*, p. 626.

b^3. Three outer tail-feathers pure white, but with obsolete dusky spots or bars, always wide apart when present; general aspect above black, streaked with sandy buff, broadly on the scapulars; inner secondaries like the others, uniform blackish with white tips. *nigripennis*, p. 631.

a^3. Three outer tail-feathers whitish or dusky, but with some tinge of rufous, and marked with dusky spots and bars.

c^3. Tail-feathers normally 14 in number; axillaries often pure white.. *gallinago*, p. 633.

d^3. Tail-feathers normally 16 in number; axillaries regularly barred.

a^4. Outer or first secondaries longer than the primary-coverts.

a^7. Bill less than 3 inches in length; axillaries barred, the white bars being broader than the black ones.

a^8. Extension of outer secondaries beyond tips of primary-coverts very slightly marked; outer tail-feather 0·3 inch in breadth ..... *delicata*, p. 642.

b^8. Extension of outer secondaries beyond the tips of primary-coverts strongly marked; outer tail-feather less than 0·2 inch in breadth ... . *frenata*, p. 646.

c^8. Similar to the foregoing, but smaller; wing 4·5 4·6 inches ..... *andina*, p. 648.

b^7. Bill exceeding 3 inches in length.

d^8. Axillaries having the white bars broader than the black ones ..... *nobilis*, p. 648.

e^8. Axillaries having the black bars broader than the white ones ..... *macrodactyla*, p. 649.

b^4. Outer or first secondaries not exceeding the primary-coverts, their tips being in a line with each other.

c^7. Axillaries with the white bars broader than the black ones ..... *paraguaiæ*, p. 650.

d^7. Axillaries with the black and white bars about equal in length .... *australis*, p. 652.

b''. Outer primary mottled along its outer web, the three outer primaries with light margin; eyebrow, side of face, and upper throat white, instead of buff; lower throat and fore-neck nearly uniform brown ..... *solitaria*, p. 654.

b'. Abdomen and breast distinctly barred all over ..... *nemoricola*, p. 657.

b. With no conspicuous rufous sub-terminal band on the tail, which is blackish or dusky in appearance, with blackish and rufous or buff bars near the ends, the black bars being the broadest; down the centre of the crown a pale longitudinal stripe.

c'. Back with pale margins to the scapulars and secondaries, imparting a more or less broadly streaked appearance to the upper surface; under wing-coverts not uniform blackish.

c''. Primaries and secondaries barred on both webs. Size very large: wing exceeding 6·5–7·0 inches; culmen 3·95–5·2.

c'''. Larger: wing 6·8–7·0 inches, culmen 4·5–5·2 ..... *gigantea*, p. 658.

d'''. Smaller: wing 6·0–6·45 inches, culmen 3·95–4·15 ..... *undulata*, p. 658.

d''. Primaries uniform. Size smaller: wing not exceeding 6·3 inches.

e'''. Larger: wing over 6·0 inches. Black markings on upper surface arranged in bars, especially on the inner secondaries; wing-coverts thickly barred.

e⁴. Centre of breast and abdomen uniform sandy buff, without cross-bars; general tone of under surface sandy buff, the bars on the under wing-coverts and axillaries sandy buff in tone ..... *stricklandi*, p. 660.

f⁴. Centre of breast and abdomen barred with dusky brown; general tone of under surface dull white, the bars on the under wing-coverts and axillaries being dull white ..... *jamesoni*, p. 661.

f'''. Smaller: wing less than 4·5 inches. Black markings on upper surface arranged as large sub-terminal spots; lower back and rump uniform brown; wing-coverts almost uniform, mottled but not transversely barred with dusky brown ..... *aucklandica* and its allies, pp. 661–663.

d'. Back not longitudinally streaked with pale margins to the scapulars; entire upper surface barred with dark rufous and black, including the wing-coverts; throat and breast rufous, mottled with black; breast and abdomen white, barred with black .. *imperialis*, p. 664.

1. Gallinago stenura.

Scolopax gallinago (*nec Linn.*), *Horsf. Trans. Linn. Soc.* xiii. p. 191 (1821 : Java); *Raffles, t. c.* p. 327 (1822 : Sumatra).
Telmatias stenoptera, *Kuhl, teste Boie, Isis*, 1826, p. 979.
Scolopax stenura, *Kuhl, teste Bp. Ann. Stor. Nat. Bologna*, iv. fasc. xiv. p. 335 (1830 : Sunda Islands); *Dyb. J. f. O.* 1868, p. 338 (Darasun); *Bogd. Consp. Av. Imp. Ross.* fasc. i. p. 104 (1884); *Seebohm, Geogr. Distr. Charadr.* p. 477 (1888); *id. B. Japan. Emp.* p. 345 (1890).
Scolopax horsfieldii, *J. E. Gray, Zool. Misc.* p. 2 (1831 : India : China)*; *id. & Hardw. Illustr. Ind. Zool.* ii. pl. 54. fig. 3 (1832); *Seebohm, Ibis*, 1884, p. 267.
? Scolopax sthenura, *Kuhl*; *Boie, Isis*, 1833, p. 1077.
Gallinago heterura, *Hodgs. P. Z. S.* 1836, p. 8 (Nepal).
Gallinago biclavus, *Hodgs. J. A. S. Beng.* vi. p. 491 (1837).
Scolopax heterura, *Eyton, P. Z. S.* 1839, p. 107 (Malay Peninsula).
Gallinago horsfieldii, *Gray, List Grall. Brit. Mus.* p. 110 (1844); *id. Hand-l. B.* iii. p. 53, no. 10344 (1871); *Swinh. P. Z. S.* 1871, p. 407 (China; Hainan; Formosa); *id. Ibis*, 1873, p. 426, 1874, p. 425, 1875, p. 131 (Chefoo); *Tacz. J. f. O.* 1873, p. 105; *Hume, Str. F.* iii. p. 182 (1875 : Pegu); *Tacz. J. f. O.* 1876, p. 201 (Usuri-land); *id. Bull. Soc. Zool. France*, i. p. 256 (1876).
Gallinago heterura vel biclavata, *Hodgs. Icon. ined. in Brit. Mus., Grall.* pl. 102, nos. 544, 545; *id. in Gray's Zool. Misc.* p. 80 (1844).
Gallinago strenua, *Gray, Cat. Mamm. &c. Nepal pres. Hodgs.* p. 141 (1846).
Gallinago stenura, *Gray, Gen. B.* iii. p. 583 (1846); *Blyth, Cat. B. Mus. As. Soc.* p. 272 (1849 : Calcutta); *Cass. U.S. Expl. Exped.* p. 313 (1858); *Swinh. Ibis*, 1860, p. 66 (Amoy), 1861, p. 50 (Canton), p. 343 (N. China, Aug., Sept.), 1862, p. 250 (Foochow), 1863, p. 415 (Formosa, breeding); *id. P. Z. S.* 1863, p. 314 (Canton to Pekin); *Jerd. B. Ind.* iii. p. 674 (1864); *Schl. Mus. Pays-Bas*, Scolopaces, p. 12 (1864); *Swinh. Ibis*, 1865, p. 232 (Formosa, Nov.); *Beavan, P. Z. S.* 1865, p. 492 (Lower Bengal); *Swinh. Ibis*, 1867, p. 234 (Amoy); *Beavan, Ibis*, 1868, p. 302 (Barrackpore); *Swinh. Ibis*, 1870, p. 302 (Hainan); *Godwin-Austen, J. A. S. Beng.* xxxix. p. 273 (1870 : Khasia Hills, April); *Blanf. op. cit.* xl. p. 270 (1871 : Wardha Valley, not observed); *Holdsw. P. Z. S.* 1872, p. 473 (Ceylon); *Wald. Ibis*, 1873, p. 318 (Andamans); *G. F. L. Marshall, Str. F.* i. p. 428 (1873); *Hume, t. c.* p. 423, note; *Salvad. Ucc. Born.* p. 334 (1874); *Hume, Str. F.* ii. p. 384 (1874 : Andamans); *Parker, t. c.* p. 335; *Ball, t. c.* p. 431 (Calcutta); *Blyth & Wald. B. Burm.* p. 156 (1875); *Armstrong, Str. F.* iv. p. 340 (1876 : Rangoon); *Sharpe, Ibis*, 1877, p. 24 (Sibu, Feb.); *Hume, Str. F.* v. p. 46 (1877 : Cachar); *Butler, t. c.* p. 212 (Mt. Aboo); *Tweedd. P. Z. S.* 1877, p. 560 (Zamboanga); *David & Oust. Ois. Chine*, p. 478 (1877); *Seebohm, Ibis*, 1879, p. 155 (Siberia, June); *Tiraut, Bull. Agric. Cochin-chine*, (3) i. p. 158 (1879); *Sharpe, P. Z. S.* 1879, p. 351 (Labuan); *Legge, B. Ceylon*, p. 816 (1880); *Tweedd. Rep. Voy. 'Challenger,' Zool.* ii. *Birds*, p. 24 (1880 : Zamboanga); *Salvad. Orn. Papuasia*,

* The type of this species does not appear to have passed to the British Museum.

etc. iii. p. 338 (1882); *Kelham, Ibis*, 1882, p. 11 (Malay Peninsula); *Oates, Handb. B. Brit. Burm.* ii. p. 383 (1883); *Tacz. Bull. Soc. Zool. France*, x. p. 475 (1885); *Guillem. P. Z. S.* 1885, p. 417 (Silam); *Swinh. & Barnes, Ibis*, 1885, p. 133 (Mhow distr.); *Seebohm, Ibis*, 1886, p. 132; *Tacz. P. Z. S.* 1887, p. 611 (Corea), 1888, p. 468; *Everett, Journ. Straits Branch As. Soc.* 1889, p. 206; *Styan, Ibis*, 1891, pp. 330, 504 (Lower Yangtse); *Sharpe, Sci. Res. 2nd Yark. Miss., Aves*, p. 144 (1891: E. of Tanksi, Sept.; Leh, Aug.); *De La Touche, Ibis*, 1892, p. 498 (Foochow and Swatow); *Tacz. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 959 (1893); *Styan, Ibis*, 1893, p. 436 (Hainan); *Munn, Ibis*, 1894, p. 72 (Calcutta distr.).

Scolopax pectinicauda, *Peale, U.S. Expl. Exped.* p. 227 (1848: Singapore).

Gallinago indica (*nec Hodgs.*), *Licht. Nomencl. Av. Berol.* p. 93 (1854: East India).

Spilura horsfieldi, *Bp. C. R.* xliii. p. 579 (1856); *Tacz. Bull. Soc. Zool. France*, iv. p. 139 (1879).

Gallinago stenura, *Gray, Cat. Mamm. &c. Nepal & Thibet*, p. 75 (1863).

Gallinago sthenura, *Le Messurier, Str. F.* iii. p. 380 (1875: Sind); *Hume & Davison, Str. F.* vi. p. 459 (1878: Tenasserim); *Hume, op. cit.* vii. p. 39 (1878: Southern Travancore); *Davidson & Wenden, t. c.* p. 88 (Deccan); *Ball, t. c.* p. 228 (Maunbhum, Godavery Valley); *Cripps, t. c.* p. 301 (Faridpur); *Hume, Str. F.* viii. p. 69 (Malay Peninsula), p. 112 (1879); *Bingham, t. c.* p. 196 (Tenasserim); *Scully, t. c.* p. 354 (Nepal Valley); *Butler, Cat. B. Sind etc.* p. 61 (1879: winter); *id. Cat. B. S. Bomb. Pres.* p. 75 (1880); *Vidal, Str. F.* ix. p. 83 (1880: S. Konkan); *Bingham, t. c.* p. 196 (Thoungyeen Valley); *Reid, op. cit.* x. p. 68 (1881: Lucknow); *Davidson, t. c.* p. 320 (W. Khandeish); *Davison, t. c.* p. 413 (Wynaad); *Murray, Vertebr. Faun. Sind*, p. 239 (1884); *Hume, Str. F.* xi. p. 319 (1888: Manipur).

Gallinago heterocerca (*nec Cab.*), *Prjev. in Rowley's Orn. Misc.* iii. p. 91 (1878: Ussuri, breeding).

Spilura stenura, *Heine & Reichen. Nomencl. Mus. Hein.* p. 331 (1890: Java).

Adult male in breeding-plumage. General colour above blackish, striped and mottled with sandy isabelline, the streaks on the sides of the back and scapulars being very broad; the upper surface also interspersed with rufous spots, but the general colour of the light markings sandy buff, especially on the hind-neck; wing-coverts dark brown, the marginal series almost uniform, the rest barred with rufous or sandy buff, with paler tips, the rufous and black bars very distinct on the greater coverts, where they are regularly indicated; bastard-wing and primary-coverts blackish, with narrow white tips; quills blackish, the first primary browner on the outer web, which is narrowly fringed with white; the secondaries (the outermost of which do not exceed the primary-coverts in length) narrowly fringed with white at the tip, the inner ones barred with rufous and blackish, mostly on the outer web, the innermost long secondaries barred across, especially near the ends of the feathers; tail-feathers blackish brown, the ten central ones with a broad band

of pale chestnut, followed by a sub-terminal bar of blackish brown, before a pale rufescent tip; a second rufous band, considerably broken up, a little beyond the middle of the feather; the eight outer feathers on each side becoming narrower and narrower, till the outermost has scarcely any web at all; these wire-like feathers with white tips, with an indication of a blackish sub-terminal bar; crown of head black, mottled with rufous spots and having a mesial streak of sandy isabelline; a loral line of black, surmounted by a supra-loral patch of sandy isabelline continued into a narrow eyebrow; sides of face and ear-coverts isabelline, rufous just behind the eye, all the sides of the face having more or less distinct small streaks of blackish, and traversed by a broad blackish line across the ear-coverts; fore part of cheeks and chin sandy isabelline; throat and chest sandy buff, slightly mottled with streaks and narrow horseshoe-shaped bars of blackish; breast and abdomen white, the sides of the body slightly tinged with sandy buff, and being distinctly barred with black; under tail-coverts pale sandy buff, with blackish centres to the feathers, the longer ones narrowly barred with black near their ends; under wing-coverts and axillaries distinctly barred with black and white, the white bars on the latter slightly wider than the black ones; lower primary-coverts ashy; quills ashy below, the secondaries fringed with white at the ends: "basal half of upper bill horny, the distal half blackish brown; basal half of lower bill greenish, remainder blackish brown; feet greenish; iris brown" (*J. R. Cripps*). Total length 8·8 inches, culmen 2·3, wing 4·9, tail 1·9, tarsus 1·2.

Adult female. Does not perceptibly differ from the male in colour and markings. Total length 9·5 inches, culmen 2·45, wing 5·1, tail 1·75, tarsus 1·2.

It is very difficult to distinguish young birds from old ones, and I believe that the only characters of any value are the uniform black stripes along the sides of the crown. In old birds, not only are these black stripes mottled with rufous, but there are also numerous small spots of rufous buff interspersed among the black feathers of the back; the black sub-terminal marks on the scapulars are also smaller in the young birds than in the old. A further sign of immaturity is, I believe, to be seen in the nearly uniform fulvous-brown on the throat and fore-neck, these portions being more mottled with lines and arrow-head spots of black in the old birds.

From *G. gallinago* the present species is distinguished by the wire-like feathers in the tail and by the entire surface of the under wing-coverts being regularly barred with black and white, and the outer web of the first primary being whity brown instead of pure white. Occasionally young birds of *G. stenura* have the whole of the breast and abdomen regularly barred with dusky.

Hab. Breeds in Eastern Siberia as far west as the valley of the Yenesei. On its winter migration it passes by China and Formosa to the Philippines, and also visits the Indian Peninsula and the Malayan Peninsula to Java and Sumatra.

a–d. ♂ ad.; *e*, *f*. ♀ ad. sk.	Valley of the Yen-e-sei, Lat. 66½°, June (*H. Seebohm*).	Seebohm Coll.
g. ♀ ad. sk.	Leh, Ladak, Aug. 31 (*F. Stoliczka*).	Second Yarkand Mission.
h. Ad. sk.	Kulu (*Major Hay*).	Gould Coll.
i, *k*, *l*. ♂ ad. sk.	Mouth of the Amur River, April 23 (*Dörries*).	Seebohm Coll.
m. Ad. sk.	Chefoo, China, Sept. (*H. M. Harrison*).	Seebohm Coll.
n. ♀ ad. sk.	Amoy, Sept. (*R. Swinhoe*).	Seebohm Coll.
o. Ad. sk.	Canton (*S. Bligh*).	Seebohm Coll.
p. Ad. sk.	Canton (*Capt. Tuckett*).	Tweeddale Coll.
q, *r*. Ad. sk.	Canton, April, May (*R. Swinhoe*).	Seebohm Coll.
s. Ad. sk.	N. Formosa, March (*R. S.*).	Seebohm Coll.
t. ♀ ad. sk.	Takow, Formosa, Jan. (*R. S.*).	Seebohm Coll.
u. ♀ ad. sk.	Lak-ku-li, Formosa, Nov. 21 (*P. A. Holst*).	Seebohm Coll.
v. ♀ ad. sk.	Hainan, March (*R. S.*).	Seebohm Coll.
w, *x*. Imm. sk.	Burma.	Tweeddale Coll.
y, *z*. ♂ ad.; *a'*, *b'*. ♀ ad. sk.	Tonghoo, Jan., Feb., Aug. (*R. G. W. R.*).	Tweeddale Coll.
c'. ♂ ad. sk.	Parrot Creek, Jan. 20 (*J. Armstrong*).	Hume Coll.
d', *e'*. ♂ ♀ ad. sk.	Lower Pegu, Feb., Sept.	Oates Coll.
f', *g'*. ♂ ad. sk.	Houngthraw River, Tenasserim, Feb. 14 (*Limborg*).	Tweeddale Coll.
h'. ♂ ad. sk.	Kaukaryit, Sept. 12 (*J. Darling*).	Hume Coll.
i', *k'*. ♂ ♀ ad. sk.	Wimpong, Dec., Jan. (*W. Davison*).	Hume Coll.
l'. ♂ ad. sk.	S. of Yea, April 14 (*W. Davison*).	Hume Coll.
m'. ♀ ad. sk.	Mergui, Nov. 19 (*W. Davison*).	Hume Coll.
n'. ♂ ad. sk.	Pakchan, Nov. 22 (*W. Davison*).	Hume Coll.
o'. ♀ ad. sk.	Bankasoon, Dec. 17 (*W. Davison*).	Hume Coll.
p'. Ad. sk.	Malewoon, April 14 (*W. Davison*).	Hume Coll.
q'–v'. ♂ ad. sk.	Salang, Island of Tonka, March (*J. Darling*).	Hume Coll.
w'–a''. ♂ ad.; *b''*, *c''*. ♀ ad. sk.	Manipur, Feb. to April (*A. O. H.*).	Hume Coll.
d'', *e''*. ♂ ad. sk.	Manipur.	Godwin-Austen Coll.
f''. Ad. st.	India.	India Museum [P.].
g''–l''. ♂ ♀ ad. sk.	Assam, Feb. (*A. W. Chennell*).	Tweeddale Coll.
m''. Ad. sk.	N.E. Frontier, Assam.	Godwin-Austen Coll.
n''. ♀ ad. sk.	Tezpur, Assam, Nov. 27.	Godwin-Austen Coll.
o''. Ad. sk.	Sadhya, April 15 (*J. Cockburn*).	Hume Coll.
p''. Ad. sk.	Sibsagar, Assam.	Godwin-Austen Coll.

q''–u''. ♂ ♀ ad. sk.	Dibrughur, April (*J. R. Cripps*).	Hume Coll.
v''–y''. ♂ ♀ ad. sk.	Dollah, April, May (*J. Cockburn*).	Hume Coll.
z''. Ad. sk.	Eastern Naga Hills.	Godwin-Austen Coll.
a^3. Ad. sk.	Cachar.	Hume Coll.
b^3. ♀ ad. sk.	Faridpur, March 26 (*J. R. Cripps*).	Hume Coll.
c^3. Ad. var. sk.	Calcutta, Nov.	Hume Coll.
d^3, e^3. Ad. sk.	Barrackpur, Feb., Sept. (*R. C. Beavan*).	Tweeddale Coll.
f^3. Ad. sk.	Maunbhoom, Feb. (*R. C. Beavan*).	Tweeddale Coll.
g^3. Ad. sk.	Bholajung.	Godwin-Austen Coll.
h^3. ♀ ad. sk.]	Assensole, Oct. 9 (*W. E. Brooks*).	Hume Coll.
i^3. Ad. sk.	Behar.	Hodgson Coll.
k^3. Ad. sk.	Buxa Doars, Jan. (*L. Mandelli*).	Hume Coll.
l^3–p^3. Ad. sk.	Nepal. (Types of *G. heterura*, Hodgs.)	Hodgson Coll.
q^3–s^3. Ad. sk.	Nepal (*Hodgson*).	India Museum.
t^3. ♂ ad. sk.	Nepal Valley, Nov. 20 (*J. Scully*).	Hume Coll.
u^3. ♀ ad. sk.	Manoura, Nepal Valley, April 14.	Dr. J. Scully [P.].
v^3. Ad. sk.	Mogul Serai, Oudh, Feb. 27 (*W. E. Brooks*).	Hume Coll.
w^3, x^3. Ad. sk.	Oudh, Dec., Jan.	Hume Coll.
y^3–a^4. Ad. sk.	Oudh.	Pinwill Coll.
b^4. ♂ ad. sk.	Oudh, June 19 (*A. Anderson*).	Seebohm Coll.
c^4. Ad. sk.	Kumaon (*Strachey*).	India Museum.
d^4. Ad. sk.	Saugor.	Hume Coll.
e^4–g^4. Ad. sk.	Raipur, Jan.	Hume Coll.
h^4. ♀ ad. sk.	Deesa, Sept. 24 (*E. A. Butler*).	Hume Coll.
i^4. ♂ ad. sk.	Khandeish, Jan. 21 (*J. Davidson*).	Hume Coll.
k^4. Ad. sk.	Deccan (*Sykes*).	India Museum.
l^4, m^4. ♀ ad. sk.	Belgaum, Feb. (*E. A. Butler*).	Hume Coll.
n^4. Ad. sk.	Coorg.	Tweeddale Coll.
o^4. Ad. sk.	Coonoor.	Hume Coll.
p^4. ♀ ad. sk.	Ootacamund, March (*W. Davison*).	Hume Coll.
q^4. ♀ ad. sk.	Goodalore, Mysore, March 25 (*W. Davison*).	Hume Coll.
r^4. ♀ ad. sk.	Madras.	Hume Coll.
s^4. Ad. sk.	Malabar Coast.	Tweeddale Coll.
t^4. Ad. sk.	Mynall, Travancore (*F. Bourdillon*).	Hume Coll.
u^4. Ad. sk.	Ceylon.	Hugh Cuming, Esq.
v^4, w^4. ♂ ♀ ad. sk.	Ceylon, April.	Colonel W. V. Legge [P.].
x^4, y^4. ♂ ♀ ad. sk.	Ragam Corale, Ceylon, Dec. (*Hart*).	Hume Coll.

z^4–e^5. ♂ ♀ nd. sk.	South Andamans, Dec. to March (*R. G. W. R.*).	Tweeddale Coll.
f^5–l^5. ♂ ♀ ad. sk.	South Andamans, July, Sept. (*R. J. Wimberley*).	Hume Coll.
m^5. ♂ ad. sk.	Port Mouat, S. Andamans, Feb. 6 (*R. G. W. R.*).	Tweeddale Coll.
n^5. Ad. sk.	Port Blair, S. Andamans.	Hume Coll.
o^5. ♀ ad. sk.	Aberdeen, S. Andamans, March 23 (*W. Davison*).	Hume Coll.
p^5, q^5. ♂ ♀ ad. sk.	Mount Augusta, S. Andamans, Jan. 8 (*W. Davison*).	Hume Coll.
r^5. Ad. sk.	Wellesley Province, Malay Peninsula, Nov. 24 (*W. Davison*).	Hume Coll.
s^5. ♀ ad. sk.	Penang, Dec. 8 (*W. Davison*).	Hume Coll.
t^5–x^5. Ad. sk.	Penang (*Cantor*).	India Museum.
y^5–a^6. ♀ ad. sk.	Klang, Salangore, March 9 (*W. Davison*).	Hume Coll.
b^6–e^6. Ad. sk.	Malacca (*R. G. W. R.*).	Tweeddale Coll.
f^6. Ad. sk.	Malacca.	Wallace Coll.
g^6–i^6. Ad. sk.	Malacca, July (*W. Davison*).	Hume Coll.
k^6. Ad. sk.	Malacca.	Pinwill Coll.
l^6, m^6. Ad. sk.	Malacca (*Dr. Cantor*).	India Museum.
n^6. ♂ ♀ ad. sk.	Singapore Island, Oct. 30 (*W. Davison*).	Hume Coll.
o^6. Ad. sk.	Sumatra (*A. R. Wallace*).	Seebohm Coll.
p^6. ♂ ad. sk.	Sumatra.	Wallace Coll.
q^6–s^6. Ad. sk.	Java.	Tweeddale Coll.
t^6, u^6. Ad. sk.	Java.	Seebohm Coll.
v^6. Ad. sk.	Java (*Horsfield*).	India Museum.
w^6, x^6. Ad. sk.	Labuan, Dec.	A. H. Everett, Esq. [C.].
y^6. Ad. sk.	Brunei River, N.W. Borneo.	Dr. Bassett Smith [P.].
z^6, a^7. Ad. sk.	Batang Lupar, N.W. Borneo.	A. H. Everett, Esq. [C.].
b^7. ♀ ad. sk.	Zamboanga, Mindanao.	Voy. H.M.S. 'Challenger.'

2. Gallinago megala.

Gallinago solitaria (*nec Hodgs.*), *Swinhoe, Ibis*, 1860, pp. 66, 132 (Amoy), 1864, p. 370 (Formosa), 1865, p. 355 (Formosa), 1866, pp. 134, 294 (Formosa, Aug., Oct.), 1867, p. 233 (Amoy, Sept. 30).

Scolopax uniclavatus (*nec Hodgs.*), *Gray, P. Z. S.* 1860, p. 365 (Batchian).

Gallinago megala, *Swinhoe, Ibis*, 1861, p. 343 (marshes on the road to Pekin), 1862, p. 255 (Foochow), 1863, p. 415 (Formosa); *id. P. Z. S.* 1863, p. 313 (China Coasts, spring and autumn); *Schl. Mus. Pays-Bas*, Scolopaces, p. 12 (1864); *Swinhoe, Ibis*, 1865, p. 232 (Formosa); *Gray, Hand-l. B.* iii. p. 52, no. 10345 (1871); *Swinhoe, Ibis*, 1871, p. 407 (China and Formosa); *Wald. Trans. Zool. Soc.* vii. p. 98 (1872: Celebes); *Finsch, Verhandl. z.-b. Ges. Wien*, xxii. p. 267 (1872); *Swinhoe, Ibis*, 1873, pp. 364, 426 (Shanghai), 1874, p. 163 (Hakodadi), p. 424 (Chefoo); *Salvad.*

Ucc. Born. p. 334 (1874); *Swinhoe, Ibis*, 1875, p. 131 (Chefoo), p. 454 (Hakodadi); *Wald. Trans. Zool. Soc.* ix. p. 235 (1875: Luzon); *Roseub. Reist. naar Geelvinkb.* p. 8 (1875); *Tweedd. P. Z. S.* 1877, p. 768 (Cebu); *David & Oust. Ois. Chine*, p. 479 (1877); *Prjev. in Rowley's Orn. Misc.* iii. p. 92 (1878: Hoang-ho Valley, breeding); *Tweedd. P. Z. S.* 1878, p. 345 (S. Leyte, Sept.), p. 953 (Zamboanga); *Meyer, Ibis*, 1879, p. 143 (Menado, March); *Legge, Birds of Ceylon*, p. 817 (1880); *Salvad. Ann. Mus. Genov.* xviii. p. 331 (1882); *id. Orn. Papuasia etc.* iii. p. 337 (1882); *Gigl. & Salvad. P. Z. S.* 1887, p. 588 (Corea); *Everett, Journ. Straits Branch As. Soc.* 1889, p. 206 (Labuan); *id. P. Z. S.* 1889, p. 225 (Palawan); *Whitehead, Ibis*, 1890, p. 60 (Palawan); *Steere, List Birds & Mamm. Philip. Exped.* p. 26 (1890: Mindanao; Basilan); *Salvad. Agg. Orn. Papuasia, etc.* iii. p. 205 (1891); *Styan, Ibis*, 1891, pp. 330, 505 (Lower Yangtse); *De La Touche, Ibis*, 1892, p. 498 (Foochow); *Taez. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 456 (1893); *Ogilvie-Grant, Ibis*, 1894, p. 522 (N. Luzon).

Scolopax (Spilura) stenura (*nec Kuhl*), *Radde, Reis. Sibir.* ii. p. 334, pl. xiii. (1863).

Scolopax burka (*nec Lath.*), *Finsch, Neu-Guinea*, p. 182 (1865: Batchian).

Scolopax australis (*nec Lath.*), *Finsch, Neu-Guinea*, p. 182, pt. (1865: Celebes).

Scolopax (Gallinago) heterura (*nec Hodgs.*), *Cab. J. f. O.* 1866, p. 28 (Luzon).

Gallinago heterocerca, *Cab. J. f. O.* 1870, p. 235 (Luzon); *Taez. J. f. O.* 1873, p. 104 (E. Siberia); *id. J. f. O.* 1874, p. 336, 1876, p. 201 (Usuri-land); *id. Bull. Soc. Zool. France*, i. p. 256 (1876: Amur-land); *Bogd. Consp. Av. Imp. Ross.* fasc. i. p. 104 (1884).

Gallinago scolopacina (*nec Bp.*), *Gray, Hand-l. B.* iii. p. 52, no. 10329, pt. (1871: Batchian).

Gallinago heterosaca, *Cab. J. f. O.* 1872, p. 317 (Luzon); *Finsch, Journ. Mus. Godeffr.* Heft viii. p. 36 (1875: Pelew Is.).

Gallinago stenura (*nec Kuhl*), *Salvad. P. Z. S.* 1878, p. 83 (Amboina); *id. Rep. Voy. 'Challenger,' Zool.* ii. *Birds*, p. 64 (1881: Amboina).

Scolopax megala, *Seebohm, Geogr. Distr. Charadr.* p. 479 (1888); *id. B. Japan. Emp.* p. 343 (1890); *Sharpe, Ibis*, 1890, pp. 145, 285, 287 (N. Borneo); *Seebohm, Ibis*, 1892, p. 250 (Tsu-sima).

Adult male. Similar to *G. stenura*, and with wire-like outer tail-feathers, but these not so narrow and showing at least two distinct bars towards the ends; the tail-feathers 20 in number, of which the seven outer ones are attenuated, and only the six central ones show the characteristic broad sub-terminal band of rufous: "bill light yellowish brown for the basal two-thirds, yellower on the base of the under mandible, blackish brown on the apical third; feet light yellowish grey, with blackish-brown claws; iris dark umber-brown" (*R. Swinhoe*). Total length 9·5 inches, culmen 2·3, wing 5·4, tail 2·15, tarsus 1·35.

Adult female. Does not differ from the male: "legs and feet pale bluish grey, nails black" (*A. H. Everett*). Total length 10·5 inches, culmen 2·6, wing 5·6, tail 2·15, tarsus 1·3.

Young birds. As with *G. stenura* so with the present species, the young birds appear to be distinguishable by their more uniform dark

brown throat and chest; the stripes on the sides of the crown are also black and not mottled with rufous spots.

Hab. Eastern Siberia, passing south in winter by Japan and China to the Philippine Islands and Borneo to the Moluccas.

a. ♀ ad. sk.	Eastern Siberia.	Seebohm Coll.
b, *c*. ♂ ad. sk.	Lake Baikal.	Seebohm Coll.
d. ♂ ad. sk.	Mouth of the Amur River.	Tweeddale Coll.
e, *f*. Ad. sk.	Japan.	Seebohm Coll.
g, *h*. Ad.; *i*. Imm. sk.	Yokohama (*H. Pryer*).	Seebohm Coll.
k. ♀ ad. sk.	Tsu-sima, Aug. 11 (*P. A. Holst*).	Seebohm Coll.
l, *m*. ♂ ad. sk.	Shanghai, April (*R. Swinhoe*).	Tweeddale Coll.
n. ♀ ad. sk.	Chusan, Aug. (*Tuckett*).	Tweeddale Coll.
o, *p*. ♂ ad. et imm. sk.	Amoy, April, Oct. (*R. Swinhoe*).	Seebohm Coll. (Types of species.)
q. Ad. sk.	Amoy (*R. Swinhoe*).	Gould Coll.
r–*u*. ♀ ad. sk.	Canton (*S. Bligh*).	Seebohm Coll.
v. Imm. sk.	S.W. Formosa, Sept. (*R. Swinhoe*).	Seebohm Coll.
w. Ad. sk.	Manila (*Maitland-Heriot*).	Tweeddale Coll.
x. ♀ ad. sk.	Laguna de Bai, Luzon, Nov. 12 (*A. H. Everett*).	Tweeddale Coll.
y. ♀ ad. sk.	Cebu, April (*A. H. Everett*).	Tweeddale Coll.
z–*a'*. ♂ ad. sk.	Ayala, Mindanao, Oct. 10.	E. L. Moseley, Esq. [C.].
b'. ♀ ad. sk.	South Leyte, Sept. (*A. H. Everett*).	Tweeddale Coll.
c'. ♀ ad. sk.	Zamboanga, March (*A. H. Everett*).	Tweeddale Coll.
d', *e'*. Ad.; *f'*. ♀ ad. sk.	Labuan, Dec., March.	A. H. Everett, Esq. [C.].
g'. Ad. sk.	Baram, Sarawak.	A. H. Everett, Esq. [C.].
h'. Ad. st.	East Timor.	Wallace Coll.
i'. Ad. sk.	East Timor (*A. R. Wallace*).	Tweeddale Coll.
k'. Ad. sk.	East Timor (*A. R. Wallace*).	Gould Coll.
l'. Ad. sk.	Celebes.	Seebohm Coll.
m'. ♂ ad. sk.	Bouru, Nov.	Seebohm Coll.
n'. Ad. sk.	Mysol.	Wallace Coll.
o'. ♂ ad. sk.	Amboina.	Voy. H.M.S. 'Challenger.'

3. Gallinago major.

Scolopax media, *Frisch, Vorst. Vög. Deutschl.* pl. 228 (1763: *teste Dresser*); *Lath. Gen. Syn. Suppl.* i. p. 292 (1787); *Meyer & Wolf, Taschenb.* ii. p. 362 (1810); *Schinz, Vög. Schweiz*, p. 206 (1815); *Vieill. N. Dict. d'Hist. Nat.* iii. p. 358 (1816); *Roux, Orn. Prov.* pl. 300 (1830); *Naum. Vög. Deutschl.* viii. pl. 208 (1836).

Gallinago media, *Gerini, Orn. Meth. Dig.* iv. p. 59, pl. cdxlvi. (1773: *teste Seebohm*); *Licht. Nomencl. Av. Mus. Berol.* p. 93 (1854: Germany; S. Africa); *Irby, Orn. Straits Gibr.* p. 175 (1875); *Finsch, Ibis*, 1877, pp. 58, 61 (River Ob); *Dubois, Faun. Ill. Vertébr. Belg., Ois.* ii. p. 223, pl. 209 (1894).

Great Snipe, *Lath. Gen. Syn.* iii. pt. 1, p. 133 (1785); *Yarrell, Brit. B.* iii. p. 597 (1843).

Scolopax major, *Gm. Syst. Nat.* i. p. 661 (1788); *Temm. Man. d'Orn.*

p. 438 (1815), 2nd ed. ii. p. 675 (1820); *Werner, Atlas, Grall.* pl. 20 (1827); *Fleming, Brit. Anim.* p. 105 (1828); *Cuv. Règne Anim.* i. p. 522 (1829); *Less. Traité d'Orn.* p. 553 (1831); *Ménétr. Cat. Rais. Cauc.* p. 51 (1832: Caucasus, migrant); *Gould, P. Z. S.* 1834, p. 133 (Trebizond); *Jenyns, Man. Brit. Vertebr.* p. 205 (1835); *Naum. Vög. Deutschl.* viii. p. 291 (1838); *Gould, B. Eur.* iv. pl. 320 (1837); *Dickson & Ross, P. Z. S.* 1839, p. 134 (Erzeroum); *Crespon, Orn. Gard*, p. 441 (1840); *Nordm. in Demid. Voy. Russ. Mérid.* iii. p. 251 (1840); *Schl. Rev. Crit.* p. lxxxvi (1844); *Hewits. Eggs Brit. B.* ii. p. 305, pl. lxxxvi. fig. 1 (1846); *Thomps. B. Ire.* ii. p. 257 (1850); *Harcourt, P. Z. S.* 1851, p. 146 (Madeira); *Kjærb. Orn. Dan.*, pl. 37. fig. 2 (1851); *Macgill. Brit. B.* iv. p. 364 (1852); *Schl. Vog. Nederl.* pl. 221 (1854); *Sunder. Svensk. Fogl.* pl. 44. fig. 3 (1860); *Pucys, Ibis*, 1860, p. 342 (Corfu & Epirus); *F. & P. Godman, Ibis*. 1861, p. 87 (Baslo); *Schl. Dier. Nederl., Vogels*, pl. 22. fig. 5 (1861); *Radde, Reis. Sibir., Vog.* p. 333 (1863: Irkutsk, Sept.); *Wright, Ibis*, 1864, p. 147 (Malta); *Stevenson, B. Norf.* ii. p. 280 (1870); *R. Gray, B. West Scotl.* p. 310 (1871); *Palmén, Finl. Fogl.* p. 231 (1873); *Saxby, B. Shetland*, p. 200 (1874); *Danf. & Harvie-Brown, Ibis*, 1875, p. 423 (Transylvania); *Fallon, Ois. Belg.* p. 179 (1875); *Seebohm & Harvie-Brown, Ibis*, 1876, p. 310 (Lower Petchora); *Boyd. B. Cauc.* p. 162 (1879); *Seebohm, Ibis*, 1882, p. 224 (Astrakhan), p. 382 (Archangel); *id. Ibis*, 1883, p. 31 (Caucasus); *Boyd. Comp. Av. Imp. Ross.* fasc. i. p. 103 (1884); *Seebohm, Hist. Brit. B* iii. p. 237 (1885); *id. Geogr. Distr. Charadr.* p. 482 (1888); *Lilford, Ibis*, 1889, p. 340 (Cyprus); *Gätke, Vögelw. Helgoland*, p. 504 (1891); *Seebohm, Ibis*, 1892, p. 23 (Heligoland).

Scol·pax paludosa, *Retzius, Faun. Suec.* p. 173 (1800).

Scolopax palustris, *Pall. Zoogr. Rosso-Asiat.* ii. p. 173 (1811: Northern Russia & Siberia).

Gallinago major, *Koch, Syst. baier. Zool.* p. 313 (1816); *Leach, Syst. Cat. Mamm. &c. Brit. Mus* p. 31 (1816); *Stephens in Shaw's Gen. Zool.* xii. p. 51, pl. 8 (1824); *Bp. Comp. List B. Eur. & N. Amer.* p. 52 (1838); *Selys-Longch. Faun. Belge*, p. 129 (1842); *Gray, List Grall. Brit. Mus.* p. 109 (1844); *Rupp. Syst. Uebers.* p. 126 (1845: Egypt); *Gray, Gen. B.* iii. p. 583 (1846); *Bp. C. R.* xliii. p. 579 (1856); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 180 (1859); *Gurney, Ibis*, 1861, p. 134 (Natal); *Gould, B. Gt. Brit.* iv. pl. 78 (1863); *Gray, Cat. Brit. B.* p. 172 (1863); *Schl. Mus. Pays-Bas*, Scolopaces, p. 7 (1864); *Gurney, Ibis*, 1864, p. 390 (Natal); *Giigl. Ibis*, 1865, p. 62 (Pisa, April); *Degl. et Gerbe, Orn. Eur.* ii. p. 181 (1867); *Loche, Expl. Sci. Alger., Ois.* ii. p. 204 (1867); *Gurney, Ibis*, 1868, p. 261 (Natal, Sept. to Feb.); *Dubois, Atti Soc. Sci.* p. 194 (1870); *Drake, Ibis*, 1870, p. 153 (Tangier, March); *Elwes & Buckley, Ibis*, 1870, p. 331 (Bulgaria); *Fritsch, Vög. Eur.* pl. 37. fig. 7 (1870); *Salvad. Faun. Ital., Uce.* p. 227 (1871); *Meves, Öfvers. K. Vet.-Akad. Förh. Stockh.* 1871, p. 777 (N.W. Russia); *Gray, Hand-l. B.* iii. p. 52. no. 10328 (1870); *Hartmg. Handb. Brit. B.* p. 51 (1872); *Gurney in Anderss. B. Damara-Ld.* p. 312 (1872: Ondonga, Feb.); *Shelley, B. Egypt*, p. 248 (1872); *Heugl. Orn. N.O.-Afr.* ii. Abth. i. p. 1199 (1873); *Ayres, Ibis*, 1873, p. 283 (Potchefstroom); *Brooke, t. c.* p. 340 (Sardinia); *Lilford, Ibis*, 1875, p. 23 (Malta); *Cordeaux t. c.* p. 185 (Heligoland); *Dresser, B. Eur.* vii. p. 631, pl. 541 (1876); *Blanf. East. Persia*, ii. p. 282 (1876); *Tacz. Bull. Soc Zool. France*, i. p. 256 (1876); *id. op. cit.* ii. p. 158 (1877:

Poland); *Ayres, Ibis*, 1877, p. 351 (Transvaal, March, April); *id. Ibis*, 1878, p. 411 (Transvaal, Jan.); *Seebohm, Ibis*, 1879, p. 157 (Yen-e-sei, June & Aug.); *Finsch, Verhandl. z.-b. Ges. Wien*, xxix. p. 254 (1879: Barnaul, June; Tundra of R. Podarata, Aug.); *Ayres, Ibis*, 1880, p. 268 (Potchefstroom); *Gigl. Ibis*, 1881, p. 210 (Italy); *Bocage, Orn. Angola*, p. 474 (1881); *Tristr. Ibis*, 1882, p. 408 (Beyrout); *Salvin, Cat. Strickl. Coll.* p. 606 (1882); *B. O. U. List Brit. B.* p. 165 (1883); *Gigl. Iconogr. Avif. Ital.* no. 305 (1883); *Saunders, ed. Yarrell's Brit. B.* iii. p. 336 (1883); *id. Ibis*, 1884, p. 389 (Pyrenees); *Sharpe, ed. Layard's B. S. Afr.* p. 678 (1884); *Tristr. Faun. & Flor. Palest.* p. 132 (1884: Tyre, winter); *Whitehead, Ibis*, 1885, p. 42 (Corsica); *Ayres, t. c.* p. 384 (Transvaal, Nov., Dec., March); *Fischer, J. f. O.* 1885, p. 116 (Zanzibar; Usegua); *Gigl. Avif. Ital.* p. 403 (1886); *Salvad. Elenco Uce. Ital.* p. 232 (1886); *Sharpe, Ibis*, 1886, p. 492 (Fao); *Pleske, Uebers. Säug. u. Vög. Kola-Halb.* p. 337 (1886); *Tait, Ibis*, 1887, p. 389 (Portugal); *Harvie-Brown & Buckley, Vertebr. Faun. Caithn. etc.* p. 217 (1887: Freswick); *iid. Vertebr. Faun. Outer Hebr.* p. 131 (1888); *Tacz. Ornis*, iv. p. 498 (1888: Poland, breeding); *Saunders, Man. Brit. B.* p. 555 (1889); *Gigl. Avif. Ital.* 1*st Resoc.* p. 614 (1889), 2*nd Resoc.* p. 652 (1890), 3*rd Resoc.* p. 512 (1891); *Heine & Reichen. Nomencl. Mus. Hein.* p. 331 (1890); *W. Evans, Ibis*, 1891, p. 80 (incubation); *Dresser, t. c.* p. 369 (Erzeroom); *Buckley & Harvie-Brown, Vertebr. Faun. Orkney Isl.* p. 212 (1891); *Madarász, Erläut. Ausst. Ungar. Vogelf.* p. 111 (1891); *Frivaldsky, Av. Hung.* p. 148 (1891); *Harvie-Brown & Buckley, Vertebr. Faun. Argyll & Inner Hebr.* p. 175 (1892); *Macphers. Vertebr. Faun. Lakel.* p. 376 (1892); *Hartert, Ibis*, 1892, p. 514 (E. Prussia, breeding); *Fatio & Studer, Cat. distr. Ois. Suisse*, p. 46 (1892); *Reichen. JB. Anst. Hamb.* x. p. 7 (1883: Quilimane, Feb., March); *Reiser, Ornis Balcanica*, p. 163 (1894); *Chapm. Ibis*, 1894, p. 343 (W. Jutland); *Reichen. Vög. Deutsch-Ost-Afr.* p. 43 (1894: Usegúha; Kakoma; Igonda); *Irby, Orn. Straits Gibr.* 2nd ed. p. 277 (1895); *Whitaker, Ibis*, 1895, p. 106 (Tunis).

Scolopax leucurus, *Swains. Faun. Bor.-Amer., Birds*, p. 501 (1831: Hudson's Bay).

Telmatias major, *Brehm, Vög. Deutschl.* p. 615 (1831); *Reichenb. Grall.* tab. lxviii. fig. 555 (1850); *Collett, Norges Fugle*, p. 50 (1868); *Droste, Vogelw. Borkum*, p. 239 (1869); *Saunders, Ibis*, 1871, p. 389 (Southern Spain); *Alston & Harvie-Brown, Ibis*, 1873, p. 70 (Archangel); *Radde, Orn. Cauc.* pp. 41, 387 (1884: 7000 ft., breeding).

Telmatias nisoria, *Brehm, Vög. Deutschl.* p. 616 (1831).

Gallinago montagui, *Bp. Comp. List B. Eur. & N. Amer.* p. 52 (1838: Suffolk).

Ascalopax major, *Keys. & Blas. Wirb. Eur.* pp. lxxviii, 216 (1840); *Mühle, Beitr. Orn. Griechenl.* p. 108 (1844); *Heugl. Syst. Uebers.* p. 64 (1856: Lower Egypt); *Linderm. Vög. Griechenl.* p. 145 (1860); *Borggr. Vogelf. Norddeutschl.* p. 119 (1869).

Scolopax solitaria (*nec Hodgs.*), *Macgill. Man. Brit. B.* ii. p. 102 (1842).

Telmatias brachyptera, *Brehm, Vogelf.* p. 305 (1855).

Telmatias uliginosa, *Brehm, tom. cit.* p. 305.

Adult male. General colour above black, mottled with sandy buff, with which the feathers are fringed and barred in an irregular and

wavy manner, so as to leave large patches of black; the scapulars with broader and whiter edges, so as to form a double line down the back; lower back, rump, and upper tail-coverts sandy buff, barred with dusky brown, the end of the tail-coverts white; wing-coverts blackish brown, the marginal series with ashy fringes, the remainder with conspicuous white tips, before which is a black sub-terminal bar, the inner greater coverts also barred with sandy rufous; bastard-wing and primary-coverts blackish, tipped with white; quills dark brown, the secondaries tipped with white, the innermost being barred with sandy rufous and resembling the back; tail-feathers bright rufous, with black bases and black bars on the terminal half of the feather, scarcely visible near the tips, the white tips to the feathers gradually increasing in extent until the four outer ones on each side are entirely white except for a little black near the base; centre of crown whitish, bordered on each side by a broad band of black, slightly freckled with rufous, and followed by a broad superciliary streak, ashy whitish in front and fulvescent behind; a dusky streak from the base of the bill to the eye; sides of face whitish, with numerous tiny blackish spots and a dark patch below the ear-coverts; the hind-neck and sides of neck sandy buff, streaked with black; chin, breast, and abdomen white; the lower throat, fore-neck, and chest pale sandy buff, with central spots of black on the feathers; the sides of the breast and flanks regularly barred with black; the under tail-coverts sandy buff, tinged with rufous, and having more or less complete bars of black; under wing-coverts and axillaries white, barred with black, the latter very distinctly banded; lower primary-coverts and quills below uniform ashy brown; "bill brown; feet light slate-colour; iris very dark" (*T. Ayres*). Total length 11 inches, culmen 2·45, wing 5·55, tail 2, tarsus 1·35.

Adult female. Similar to the male. Total length 10·5 inches, culmen 2·5, wing 5·3, tail 2, tarsus 1·5.

Winter plumage. More sandy buff than in summer, the buff edges to the feathers of the upper surface broader and more conspicuous; the blackish markings on the fore-neck larger and coarser, and either circular or horseshoe-shaped.

Young. Much more rufous than the adults, and having the black of the upper parts more uniform, the lateral edges to the scapular feathers not so distinct; the inner greater coverts and inner secondaries regularly barred with black and rufous, the bars being of about equal width; the white tips to the wing-coverts not so distinct and slightly tinged with buff; the sides of the face and hind-neck much more rufous than in the adults, and the white upper breast also showing dusky circular bars; the white outer tail-feathers also barred with dusky brown.

Nestling. Covered with down of an ashy fulvous, inclining to rufous here and there on the crown and centre of the back, as well as on the wings; a very broad eyebrow of isabelline white, like the sides of the face; a line of black in the centre of the forehead, extending on to the crown; lores crossed by a line of black, with

several lines of black on the side of the face; the sides of the back black, and a black patch on each side of the flanks; under surface of body orange-buff, with a black patch on the lower throat; the centre of the breast and abdomen isabelline whitish.

Hab. Europe, extending as far as the valley of the Yenesei in summer, and wintering in the Mediterranean countries and in Africa.

a. ♀ ad. sk.	England.	Salvin-Godman Coll.
b. ♂ ad. sk.	Leadenhall Market (*J. H. Gurney*).	Hume Coll.
c. Ad. st.	Cumberland.	Harting Coll.
d, *e*. Ad. sk.	Suffolk.	Montagu Coll. (Types of *G. montagui*.)
f, *g*. ♀ ad. sk.	Bödö, Norway, June 29 (*F. Godman*).	Salvin-Godman Coll.
h, *i*. Ad. et pull. sk.	Bödö, June 24 (*F. Godman*).	Gould Coll.
k. Ad. sk.	Denmark.	Tweeddale Coll.
l, *m*. Ad. sk.	Holland.	Purchased.
n. Ad. sk.	Holland, May 19.	Seebohm Coll.
o. Ad. sk.	Lapland (*Wheelwright*).	Gould Coll.
p. ♀ ad. sk.	Quickiock, Lapland, Sept. (*T. E. Buckley*).	Seebohm Coll.
q. Ad. sk.	Archangel.	Dr. R. B. Sharpe [P.].
r. Juv. sk.	Archangel (*E. R. Alston*).	Seebohm Coll.
s. ♂ ad. sk.	Archangel, June 15.	Seebohm Coll.
t. Ad. sk.	Lower Petchora.	Col. H. W. Feilden & J. A. Harvie-Brown, Esq. [P.].
u. ♂ ad. sk.	River Don, May 29.	Seebohm Coll.
v. ♀ ad. sk.	Barnaul, W. Siberia, June 24 (*O. Finsch*).	Geogr. Soc. Bremen [P.].
w. Juv. sk.	Tundra of the Podarata River, Aug. 3 (*O. Finsch*).	Geogr. Soc. Bremen [P.].
x–*d'*. ♂ ♀ ad. sk.	Valley of the Yen-e-sei, June (*H. S.*).	Seebohm Coll.
e'. ♀ ad. sk.	Valley of the Yen-e-sei, June 23 (*H. Seebohm*).	Tweeddale Coll.
f'. ♂ ad. sk.	Astrakhan (*Möschler*).	Seebohm Coll.
g'. Ad. sk.	Lenkoran, autumn.	Seebohm Coll.
h', *i'*. Ad. sk.	Fao, Persian Gulf.	W. D. Cumming, Esq. [P.].
k', *l'*. Ad. sk.	Mesopotamia (*Commander Jones*).	India Museum.
m'. ♂ ad. sk.	Demirkeuy, Asia Minor, May 9 (*T. Robson*).	Dr. R. B. Sharpe [P.].
n', *o'*. Ad. sk.	Erzeroum, Sept. 21 (*Dickson & Ross*).	Gould Coll.
p'. Ad. sk.	Shores of the Mediterranean.	Gould Coll.
q', *r'*. ♂ ad. sk.	Lamu, E. Africa, Aug.	F. J. Jackson, Esq. [P.].
s'. Ad. sk.	Zambesi (*Sir J. Kirk*).	Livingstone Expedition.
t'. Ad. sk.	Transvaal.	Seebohm Coll.

a'–g'. ♂ ad. sk.	Potchefstroom, Transvaal, Dec., Jan., March, Sept. (*T. Ayres*).	Gurney Coll.
a''. ♂ ad. sk.	Ondonga, Ovampo-land, Feb. 6 (*C. J. Andersson*).	Seebohm Coll.
a'''–c'''. Ad. sk.	Natal.	Tweeddale Coll.
d'''. ♀ ad. sk.	Natal, Nov.	Seebohm Coll.
e'''. Ad. sk.	Natal.	Dr. R. B. Sharpe [P.].
f''', g'''. Ad. sk.	Kingwilliamstown.	Major Trevelyan [P.].
h'''. Ad. sk.	Cape Colony.	Dr. Krauss [C.].
i'''. Ad. sk.	[Hudson's Bay.]	Hudson's Bay Company [P.]. (Type of *G. leucurus*, Swains.)
k'''. Skeleton.		Purchased.
l'''. Sternum.		John Ray, Esq. [P.]

4. Gallinago nigripennis.

Gallinago nigripennis, *Bp. Icon. Faun. Ital., Ucc.* text to pl. 43, p. 4 (1832); *Kirk, Ibis*, 1864, p. 332 (Zambesi); *Gurney, t. c.* p. 355 (Natal); *id. Ibis*, 1868, p. 51 (Potchefstroom, July, Aug., breeding); *Finsch & Hartl. Vög. Ostafr.* p. 769 (1870); *Bocage, Orn. Angola*, p. 475 (1881: Huilla; Caconda); *Holub & Pelz. Beitr. Orn. Südafr.* p. 203 (1882); *Shelley, Ibis*, 1882, p. 306 (Mashoona-land); *Sharpe, ed. Layard's B. S. Afr.* p. 676 (1884); *Ayres, Ibis*, 1885, p. 347 (Transvaal); *Sharpe, Ibis*, 1892, p. 545 (Miazini, Masai-land, Aug.); *Reichen. Vög. deutsch-Ost-Africa*, p. 43 (1894).

Gallinago æquatorialis, *Rüpp. Syst. Uebers.* pp. 123, 126 (1845: Abyssinia); *Schl. Mus. Pays-Bas*, Scolopaces, p. 10 (1864); *Layard, B. S. Afr.* p. 333 (1867); *Gurney, Ibis*, 1868, p. 261 (Natal); *Bocage, P. Z. S.* 1869, p. 437; *Ayres, Ibis*, 1869, p. 302 (Potchefstroom, breeding); *Layard, t. c.* p. 377 (River Zonder-end); *Burkley, Ibis*, 1874, p. 388 (Pietermaritzburg, May); *Barratt, Ibis*, 1876, p. 212 (Potchefstroom, May, June, July, breeding); *Ayres, Ibis*, 1878, p. 301 (Transvaal, July), p. 411 (Potchefstroom, Dec.); *Butler, Feilden, & Reid, Zool.* 1882, p. 425 (Natal, Dec. to March, breeding); *Salvad. Ann. Mus. Genov.* (2) i. p. 224 (1884: Fin-Finni, Shoa, June); *id. op. cit.* vi. p. 64 (1888); *Shelley, Ibis*, 1884, p. 26 (Nyassa-land).

Telmatias gallinago, var., *Reichenb. Grall.* tab. cccl*v*. figs. 2782–83 (1850).

Gallinago longirostris (*nec* Cuv.), *Licht. Nomencl. Av. Mus. Berol.* p. 83 (1854: Kaffraria).

Ascalopax æquatorialis, *Heugl. Syst. Uebers.* p. 64 (1856: Abyssinia, winter).

Gallinago atripennis, *Bp., teste Hartl. Orn. West-Afr.* p. 239 (1857: S. Africa).

Gallinago æquinoctialis (lapsu), *Blyth, Ibis*, 1867, p. 170, note.

Gallinago angolensis, *Bocage, Jorn. Lisb.* ii. p. 49 (1868: Huilla); *Gray, Hand-l. B.* iii. p. 52, no. 10333 (1871).

Telmatias æquatorialis, *Heugl. in Petherm. Geogr. Mitth.* 1869, p. 417.

Gallinago macrodactyla (*nec Bp.*), *Gray, Hand-l. B.* iii. p. 52, no. 10339 (1871); *Gurney in Anderss. B. Dam.-Ld.* p. 312, note (1872); *Heugl. Orn. N.O.-Afr.* ii. Abth. i. p. 1005 (1873: Abyssinia, 7000 to 11,000 ft.); *Heine & Reichen. Nomencl. Mus. Hein.* p. 331 (1890).

Scolopax æquatorialis, *Seebohm*, *Ibis*, 1886, p. 136 (S. Africa); *id.* *Geogr. Distr. Charadr.* p. 500 (1888).

Adult male. Similar to *G. major*, but with a longer bill, and with the white tips or terminal bars to the wing-coverts narrower and not so prominent, though they are pure white; these tips are almost obsolete on the primary-coverts, whereas they are very distinct in *G. major*. The upper surface is black, with sandy-rufous streaks, not very broad or distinct except on the scapulars; the blackish spots and mottlings on the chest and throat are very distinct. The whole of the secondaries, excepting the innermost or elongated ones, are blackish with white tips, but without any rufous bars on the outer web: "bill black; legs brownish green; iris dark hazel" (*T. E. Buckley*). Total length 10·8 inches, culmen 2·75, wing 5·1, tail 2·2, tarsus 1·3.

Adult female. Similar to the male. Total length 10 inches, culmen 2·9, wing 5·1, tail 1·8, tarsus 1·45.

The axillaries vary in markings, being sometimes regularly barred with black and white throughout, while some individuals have the axillaries white with only a few irregular markings or spots.

Hab. Confined to Africa.

a. Ad. st.	Shoa (*Sir W. C. Harris*).	India Museum.
b–f. ♂ ♀ ad. sk.	Angollalà, Shoa, May (*Sir W. Harris*).	India Museum.
g. Ad. sk.	East Africa.	Seebohm Coll.
h. Ad. sk.	Fort Johnston, River Shiré, Feb. (*A. A. Whyte*).	Sir H. H. Johnston, K.C.B. [P.].
i, *k*. Ad. et pull. sk.	Transvaal.	Dr. R. B. Sharpe [P.].
l, *m*, *n*. Ad. sk.	Transvaal.	Seebohm Coll.
o. Ad. sk.	Transvaal.	Gurney Coll.
p. Ad. sk.	Potchefstroom.	F. A. Barratt, Esq. [P.].
q. ♀ ad. sk.	Potchefstroom, July.	Gurney Coll.
r. Ad. sk.	Damara-land (*C. J. Andersson*).	Seebohm Coll.
s. ♂ ad. sk.	Isepengo Flats, Zulu-land (*Gordge*).	Tweeddale Coll.
t–x. Ad. sk.	Natal.	Seebohm Coll.
y, *z*. ♂ ♀ ad. sk.	Natal (*T. Ayres*).	Tweeddale Coll.
a', *b'*. ♀ ad. sk.	Newcastle, Natal, April, June (*E. A. Butler*).	Seebohm Coll.
c', *d'*. ♀ ad. sk.	Newcastle, May, Sept.	Capt. Savile Reid [C.].
e', *f'*. ♂ ♀ ad. sk.	Pietermaritzburg, Natal, May (*T. E. Buckley*).	Shelley Coll.
g'. ♂ ad. sk.	Kingwilliamstown.	Major Trevelyan [P.].
h'. Ad. st.	South Africa.	Purchased.
i'. Ad. st.	South Africa.	Dr. Krauss [C.].
k'. Ad. sk.	South Africa.	Gould Coll.
l'. ♀ ad. sk.	South Africa.	Tweeddale Coll.
m'. Ad. sk.	South Africa.	Jardine Coll.

5. Gallinago gallinago.

La Bécassine, *Bries. Orn.* v. p. 298, pl. xxvi. fig. 1 (1760); *D'Aubent. Pl. Enl.* viii. pl. 883; *Buff. Hist. Nat. Ois.* vii. p. 483 (1780).

Scolopax gallinago, *Linn. Syst. Nat.* i. p. 244 (1766); *Scop. Ann.* i. p. 97 (1769); *O. F. Müll. Zool. Dan. Prodr.* p. 23 (1776); *Gm. Syst. Nat.* i. p. 662 (1788); *Pall. Zoogr. Rosso-Asiat.* ii. p. 174 (1811); *Temm. Man. d'Orn.* p. 439 (1815); *id. ibid.* 2nd ed. ii. p. 676 (1820); *Licht. Verz. Doubl.* p. 75 (1823: Egypt; Senegambia); *Werner, Atlas, Grall.* pl. 30 (1827); *Fleming, Brit. Anim.* p. 106 (1828); *Roux, Orn. Prov.* pl. 301 (1830); *Less. Traité d'Orn.* p. 556 (1831); *Jenyns, Man. Brit. Vertebr.* p. 205 (1835); *Naum. Vög. Deutschl.* viii. p. 310, pl. 209 (1836); *Gould, B. Eur.* iv. pl. 321. fig. 2 (1837); *Crespon, Orn. Gard,* p. 442 (1840); *Nordm. in Démid. Voy. Russ. Mérid.* iii. p. 251 (1840); *Schl. Rev. Crit.* p. lxxxvi (1844); *Hewits. Eggs Brit. B.* ii. p. 307, pl. lxxxvi. fig. 2 (1846); *Thomps. B. Irel.* ii. p. 262 (1850); *Middend. Reis. Sibir., Zool.* p. 224 (1851: Boganida, breeding; Stanovoi Mts.); *Kjærb. Damm. Fugle,* Taf. xxxvii. fig. 3 (1851); *Macgill. Brit. B.* iv. p. 368 (1852); *Schl. Vog. Nederl.* pl. 222 (1854); *Taylor, Ibis,* 1859, p. 53 (Egypt); *Salvin, t. c.* p. 36 (Eastern Atlas); *Pouzy, Ibis,* 1860, p. 342 (Ionian Isl.); *Schl. Dier. Nederl., Vogels,* pl. 22. figs. 6, 6 *a* (1861); *Radde, Reis. Sibir., Vög.* p. 337 (1863: Tareinor, May); *Wright, Ibis,* 1864, p. 147 (Malta); *Sperling, t. c.* p. 288 (Mediterranean, Nov.); *Smith, Ibis,* 1868, p. 455 (Portugal); *Dyb. J. f. O.* 1868, p. 338 (Darasun); *Stevenson, B. Norf.* ii. p. 305 (1870); *Blanf. Geol. & Zool. Abyss.* p. 432 (1870: Lake Ashangi, winter); *R. Gray, B. West Scotl.* p. 312 (1871); *Palmén, Finl. Fogl.* p. 230 (1873); *Severtz. Turkest. Jevotn.* p. 69 (1873: breeding); *Fallon, Ois. Belg.* p. 180 (1875); *Danf. & Harvie-Brown, Ibis,* 1875, p. 423 (Transylvania); *Seebohm & Harvie-Brown, Ibis,* 1876, p. 309 (Lower Petchora); *Dresser, t. c.* p. 330 (Turkestan); *Anderson, Rep. Zool. Exped. West. Yunan,* p. 681 (1878: Kabwet, Jan.; Bhamo, Feb.); *Danf. Ibis,* 1878, p. 33 (Asia Minor); *Bogd. B. Cauc.* p. 162 (1879); *Seebohm, Ibis,* 1882, p. 224 (Astrakhan), p. 382 (Archangel); *Booth, Rough Notes,* ii. pl. 60 (1881–87); *Seebohm, Ibis,* 1883, p. 31 (Caucasus); *Severtz. t. c.* p. 72 (Pamir Range); *Seebohm, Ibis,* 1884, p. 207 (Kiukiang); *Bogd. Consp. Av. Imp. Ross.* p. 105 (1884); *Seebohm, Hist. Brit. B.* iii. p. 241 (1884); *Dixon, Ibis,* 1885, p. 86 (St. Kilda); *Zarudn. Ois. Transcasp.* p. 70 (1885); *Seebohm, Ibis,* 1886, p. 140; *id. Geogr. Distr. Charadr.* p. 484 (1888); *Irby, Key List Brit. B.* p. 46 (1888); *Lilford, Ibis,* 1889, p. 340 (Cyprus); *Seebohm, B. Japan. Emp.* p. 340 (1890); *Sharpe, Ibis,* 1890, pp. 144, 285 (Borneo); *Gätke, Vogelw. Helgol.* p. 505 (1891); *Seebohm, Ibis,* 1892, p. 23 (Heligoland); *Campbell, t. c.* p. 240 (Corea).

Scolopax gallinaria, *O. F. Muller, Zool. Dan. Prodr.* p. 23 (1776); *Gm. Syst. Nat.* i. p. 662 (1788); *Temm. Man. d'Orn.* p. 440 (1815); *id.* 2nd ed. ii. p. 677 (1820).

Common Snipe, *Lath. Gen. Syn.* iii. pt. 1, p. 134 (1785); *Yarrell, Brit. B.* ii. p. 603 (1843).

Finmark Snipe, *Lath. Gen. Syn.* iii. pt. 1, p. 136 (1785).

Scolopax cœlestis, *Frenzel, Beschr. Vög. u. Eier. Wittenb.* p. 58 (1801: *teste Dresser*).

Gallinago media (*nec Frisch*), *Leach, Syst. Cat. Mamm. &c. Brit. Mus.* p. 30 (1816); *Stephens, in Shaw's Gen. Zool.* xii. p. 54 (1824); *Sykes, P. Z. S.* 1832, p. 163 (Deccan); *Gray, Cat. Mamm.*

&c. Nepal pres. Hodgs. p. 141 (1846); *id. Gen. B.* iii. p. 583 (1846); *Tristr. Ibis*, 1860, p. 79 (Sahara); *Reinh. Ibis*, 1861, p. 11 (Greenland); *Newton in Baring-Gould's Iceland*, p. 413 (1863: April to Oct.); *Gray, Cat. Brit. B.* p. 173 (1863); *More, Ibis*, 1865, p. 438 (breeding range in Great Britain); *Godman, Ibis*, 1866, p. 101 (Azores); *id. Azores*, pp. 35, 41 (1870); *Elwes & Buckley, Ibis*, 1870, p. 331 (Turkey); *Harting, Handb. Brit. B.* p. 51 (1872); *Feilden, Zool.* 1872, p. 3249 (Faeroe Is., breeding); *Shelley, B. Egypt*, p. 249 (1872); *Brooke, Ibis*, 1873, p. 340 (Sardinia); *Irby, Orn. Straits Gibr.* p. 175 (1875); *Bygrave Wharton, Ibis*, 1876, p. 27 (Corsica).

Scolopax sakhalina, *Vieill. N. Dict. d'Hist. Nat.* iii. p. 359 (1816).

Scolopax brehmi, *Kaup, Isis*, 1823, p. 1147; *Less. Traité d'Orn.* p. 556 (1831); *Jardine, Contr. Orn.* 1849, p. 134, pl. 40 (Jardine Hall).

Scolopax sabinii, *Vigors, Trans. Linn. Soc.* xiv. p. 557, cum tab. (1825: Queen's Co., Ireland, Aug. 21); *Jard. & Selby, Ill. Orn.* pl. 27 (1827); *Fleming, Brit. Anim.* p. 105 (1828); *Jenyns, Man. Brit. Vertebr.* p. 204 (1835); *Gould, B. Eur.* iv. pl. 321. fig. 1 (1837); *Temm. Man. d'Orn.* iv. p. 435 (1840); *Schl. Rev. Crit.* p. lxxxvi (1844); *Macgill. Brit. B.* iv. p. 377 (1852); *Salvin, Zool.* 1857, p. 5593 (Norfolk); *Lilford, Col. Fig. Brit. B.* part xxvii. (1893).

Telmatias gallinago, *Boie, Isis*, 1826, p. 979; *Brehm, Vög. Deutschl.* p. 620 (1831); *Reichenb. Grall.* tab. lxix. figs. 558–9 (1850); *Droste, Vogelw. Borkum*, p. 236 (1869); *Rey, Syn. eur. Brutvögel*, p. 109 (1872); *Radde, Orn. Cauc.* pp. 41, 385 (1884: 7000 ft., breeding).

Pelorychus brehmi, *Kaup, Natürl. Syst.* p. 119 (1829).

Enalius sabinii, *Kaup, Natürl. Syst.* p. 121 (1829).

Telmatias faeroeensis, *Brehm, Vög. Deutschl.* p. 617 (1831).

Telmatias brehmii, *Brehm, t. c.* p. 618; *Reichenb. Grall.* tab. lxviii. fig. 556 (1850).

Telmatias stagnatilis, *Brehm, t. c.* p. 618.

Telmatias septentrionalis, *Brehm, t. c.* p. 619.

Telmatias peregrina, *Brehm, t. c.* p. 621.

Gallinago brehmii, *Bp. Faun. Ital. Ucc., Intr.* p. 14, fasc. xxv. pl. 43 (1832); *id. Comp. List B. Eur. & N. Amer.* p. 50 (1838); *Gray, Gen. B.* iii. p. 583 (1846); *Licht. Nomencl. Av. Mus. Berol.* p. 93 (1854); *Bp. C. R.* xliii. p. 579 (1856); *Gray, Cat. Brit. B.* p. 174 (1863).

Scolopax delamottii, *Baillon, Mém. Soc. d'Em. d'Abbev.* 1834, p. 71; *Matthews, Zool.* 1853, p. 3729 (Hastings).

Scolopax pygmæa, *Baillon, t. c.* p. 71.

Gallinago uniclavus, *Hodgs. J. A. S. Beng.* vi. p. 492 (1837).

Gallinago sabinii, *Bp. Comp. List B. Eur. & N. Amer.* p. 52 (1838); *Gray, Gen. B.* iii. p. 583 (1846); *Bp. C. R.* xliii. p. 579 (1856); *Gray, Cat. Brit. B.* p. 173 (1863); *Harting, Handb. Brit. B.* p. 52 (1872); *B. O. U. List Brit. B.* p. 166 (1883).

Gallinago scolopacina, *Bp. Comp. List B. Eur. & N. Amer.* p. 52 (1838); *Selys-Longch. Faun. Belge*, p. 129 (1842); *Rüpp. Syst. Uebers.* p. 126 (1845: Lower Egypt); *Blyth, Cat. B. Mus. As. Soc.* p. 272 (1849: Calcutta); *Bp. C. R.* xliii. p. 579 (1856); *Hartl. Orn. West-Afr.* p. 239 (1857); *Adams, P. Z. S.* 1859, p. 189 (Cashmere); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 481 (1859); *Irby, Ibis*, 1861, p. 241 (Oudh); *Swinh. Ibis*, 1863, p. 415 (Formosa); *id. P. Z. S.* 1863, p. 314; *Gould, B. Gt. Brit.* iv.

pl. 79 (1863); *Schl. Mus. Pays-Bas*, Scolopaces, p. 4 (1864); *Jerd. B. Ind.* iii. p. 674 (1864); *Filippi, Viagg. Persia*, p. 345 (1865); *E. C. Taylor, Ibis*, 1867, p. 70 (Egypt); *Beavan, t. c.* p. 333 (Andamans); *Drake, t. c.* p. 428 (Tangiers); *Degl. et Gerbe, Orn. Eur.* ii. p. 183 (1867); *Loche, Expl. Sci. Algér., Ois.* ii. p. 296 (1867); *Doderl. Avif. Sicil.* p. 195 (1869); *Fritsch, Vög. Eur.* Taf. 37. fig. 8 (1870); *Swinh. Ibis*, 1870, p. 362 (Hainan); *Finsch & Hartl. Vög. Ostafr.* p. 771 (1870); *Godwin-Austen, J. A. S. Beng.* xxxix. p. 273 (1870: Khasia Hills); *Gray, Hand-l. B.* iii. p. 52, no. 10329 (1871); *Salvad. Faun. Ital., Uce.* p. 227 (1871); *Swinh. P. Z. S.* 1871, p. 407 (China; Formosa; Hainan); *Gurney, Ibis*, 1871, p. 290 (Algeria); *McMaster, J. A. S. Beng.* xl. p. 215 (1871: Nagpur); *Blanf. t. c.* p. 276 (Wardha Valley); *Meves, Öfv. Vet.-Akad. Förh. Stockh.* 1871, p. 777 (1871: N.W. Russia); *Stoliczka, J. A. S. B.* xli. p. 252 (1872: Kutch); *Holdsw. P. Z. S.* 1872, p. 473 (Ceylon); *Hume, Nests & Eggs Ind. B.* p. 588 (1873: Cashmere); *id. Str. F.* i. p. 235 (1873: Sind); *Adam, t. c.* p. 305 (Sambhur); *Hayes Lloyd, Ibis*, 1873, p. 417 (Kathiawar); *Tacz. J. f. O.* 1873, p. 106 (E. Siberia); *id. J. f. O.* 1874, p. 330; *Heugl. Orn. N.O.-Afr.* ii. Abth. i. p. 1201 (1873: Abyssinia, winter); *Saxby, B. Shetl.* p. 201 (1874); *Swinh. Ibis*, 1874, p. 163 (Hakodadi); *Hume, Str. F.* ii. p. 295 (1874: Port Blair); *Parker, t. c.* p. 335; *Hume, Str. F.* iii. p. 182 (1875; Pegu); *Blyth & Wald. B. Burm.* p. 156 (1875); *Wald. Trans. Zool. Soc.* ix. p. 235 (1875: Luzon); *Blanf. East. Persia*, ii. p. 282 (1876); *Butler & Hume, Str. F.* iv. p. 15 (1876: Mount Aboo); *Scully, t. c.* p. 180 (Yarkand); *Fairbank, t. c.* p. 263 (Khandala); *Tacz. Bull. Soc. Zool. France*, i. p. 257 (1876); *David & Oust. Ois. Chine*, p. 478 (1877); *Butler, Str. F.* v. p. 214 (1877: Mount Aboo); *id. t. c.* p. 232 (Deesa); *Fairbank, t. c.* p. 400 (Palani Hills); *Tweedd. P. Z. S.* 1877, p. 703 (Monte Alban); *id. P. Z. S.* 1878, p. 345 (S. Leyte, Sept.), p. 712 (N. Bohol, Nov.); *Blakiston & Pryer, Ibis*, 1878, p. 222; *Pryer, in Rowley's Orn. Misc.* iii. p. 90 (1878: Koko-nor, March; Lake Hanka, April; Hoang-ho Valley; Kansu, Sept.); *Hume & Davison, Str. F.* vi. p. 450 (1878: Tenasserim); *Davidson & Wenden, Str. F.* vii. p. 88 (1878); *Ball, t. c.* p. 228 (Ganges to Godavery); *Tirant, Bull. Agric. Cochinchine*, (3) i. p. 150 (1879); *Finsch, Verh. z.-b. Ges. Wien*, xxix. p. 254 (1879: R. Ob); *Seebohm, Ibis*, 1879, p. 27 (Japan), p. 158 (Yen-se-sei); *Legge, B. Ceylon*, p. 821 (1880); *Biddulph, Ibis*, 1881, p. 165 (Gilgit); *Scully, t. c.* p. 588; *Blakiston & Pryer, B. Japan*, p. 114 (1882); *Kelham, Ibis*, 1882, p. 16 (Malay Peninsula); *Irby, Ibis*, 1883, p. 187 (Santander); *Marshall, Ibis*, 1884, p. 424 (Chamba); *Murray, Vertebr. Faun. Sind*, p. 240 (1884); *Blakist. Amended List B. Japan*, p. 12 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 653 (1884); *Dyb. & Tacz. Bull. Soc. Zool. France*, ix. p. 147 (1884); *Tacz. op. cit.* x. p. 475 (1885: Sidemi, S.E. Usuri); *id. P. Z. S.* 1887, p. 610 (Corea), 1888, p. 465; *Everett, Journ. Straits Branch As. Soc.* 1889, p. 208 (Labuan); *Sharpe, Trans. Linn. Soc.* (2), *Zool.* v. pt. 3, p. 89 (1889); *id. Sci. Res. 2nd Yark. Miss., Aves*, p. 144 (1891: Leh, Aug.); *id. Ibis*, 1891, p. 115 (Fao); *Madarász, Erlaut. Aust. Ungar. Vogelf.* p. 111 (1891); *Frivaldszky, Av. Hung.* p. 149 (1891); *Fatio & Studer, Cat. distr. Ois. Suisse*, p. 46 (1892); *De La Touche, Ibis*, 1892, p. 488 (Foochow and Swatow); *Tacz. Mém. Acad. Imp. Sci. St. Petersb.* (7) xxxix. p. 900 (1893); *Martin & Rollin, Vert. Sauv. l'Indre*, p. 200 (1894).

Scolopax peregrina, *Temm. Man. d'Orn.* iv. p. 435 (1840).
Ascalopax sabinii, *Keys. u. Blas. Wirb. Eur.* pp. lxxvii, 216 (1840); *Borggr. Vogelf. Norddeutschl.* p. 118 (1869).
Ascalopax gallinago, *Keys. & Blas. Wirb. Eur.* pp. lxxvi, 216 (1840); *Mühle, Beitr. Orn. Griechenl.* p. 108 (1844); *Heugl. Syst. Uebers.* p. 63 (1856); *Linderm. Vög. Griechenl.* p. 145 (1860); *Borggr. Vogelf. Norddeutschl.* p. 118 (1869).
Gallinago media vel uniclavata, *Hodgs. icon. ined. in Brit. Mus., Grall.* pls. 99, 100, 101, nos. 542, 543; *id. in Gray's Zool. Misc.* p. 86 (1844).
Gallinago sakhalina, *Gray, Gen. B.* iii. p. 583 (1846).
Gallinago burka, *Bp.*; *Gray, Gen. B.* iii. p. 583 (1846); *Bp. C. R.* xliii. p. 579 (1856); *Swinh. P. Z. S.* 1863, p. 314 (China).
Scolopax (Gallinago) gallinago, *Temm. & Schl. Faun. Japonica, Aves*, p. 112 (1847).
Telmatias sabinii, *Reichenb. Grall.* tab. lxviii. fig. 557 (1850).
Gallinago gallinago, *Licht. Nomencl. Av. Mus. Berol.* p. 93 (1854); *Scl. & Hartl. P. Z. S.* 1881, p. 174 (Socotra); *Stejn. Bull. U.S. Nat. Mus.* no. 29, p. 110 (1885: Bering Isl.); *A. O. U. Check-l. N. Amer. B.* p. 147 (1886); *Stejn. Proc. U.S. Nat. Mus.* x. p. 128 (1887); *Ridgw. Man. N. Amer. B.* p. 150 (1887); *Hartert, Ibis*, 1892, p. 514 (E. Prussia); *Reiser, Ornis Balcanica*, p. 163 (1894); *Ogilvie-Grant, Ibis*, 1894, p. 522 (N. Luzon); *Coues, Auk*, xii. p. 326 (1895); *A. O. U. Check-l.* 2nd ed. p. 85 (1895); *Elliot, N. Amer. Shore-Birds*, p. 45 (1895); *Sharpe Handb. Brit. B.* iii., p. 211 (1896).
Gallinago migratoria, G. brachypus, G. peregrina, G. robusta, G. pétényi, G. septentrionalis, G. faeroeensis, G. lacustris, *Brehm, Naumannia*, 1855, p. 291.
Telmatias robusta, *Brehm, Vogelf.* p. 306 (1855).
Telmatias salicaria, *Brehm, t. c.* p. 306.
Telmatias pétényi, *Brehm, t. c.* p. 306.
Telmatias lacustris, *Brehm, t. c.* p. 307.
Telmatias brachypus, *Brehm, t. c.* p. 307.
Gallinago latipennis, *Hartl. Orn. West-Afr.* p. 239 (1857: Gambia).
Gallinago vulgaris, *Dubois, Pl. Col. Ois. Belg.* pl. 182 (1858).
Gallinago uniclava, *Swinhoe, Ibis*, 1860, p. 66 (Amoy), 1861, p. 56 (Canton), p. 343 (Takow and Peking); *Tacz. J. f. O.* 1874, p. 325 (Darasun); *id. J. f. O.* 1875, p. 255; *id. Bull. Soc. Zool. France*, i. p. 257 (1876); *id. op. cit.* viii. p. 340 (1883: Kamtchatka).
Gallinago russata, *Gould, B. Gt. Brit.* iv. text to pl. 79 (1863).
Gallinago wilsoni (*nec Temm.*), *Swinh. Ibis*, 1875, p. 454 (Hakodadi); *Seeb. Ibis*, 1879, p. 27; *Blakist. Amend. List B. Japan*, p. 38 (1884).
Gallinago gallinaria, *Cripps, Str. F.* vii. p. 302 (1878: Faridpur); *Hume, Str. F.* viii. p. 70 (Malacca), p. 112 (1879): *Bingham, t. c.* p. 196 (Thoungyeen Valley); *Scully, t. c.* p. 355 (Nepal Valley); *Butler, Cat. B. Sind etc.* p. 61 (1879); *id. Cat. B. S. Bomb. Pres.* p. 76 (1880); *Vidal, Str. F.* ix. p. 84 (1880: S. Konkan); *Bingham, t. c.* p. 196 (Thoungyeen Valley); *Reid, Str. F.* x. p. 68 (1881: Lucknow); *Collett, Norges Fugle*, p. 85 (1881); *Swinhoe, Ibis*, 1882, p. 121 (Afghanistan); *Stejn. Proc. U.S. Nat. Mus.* vi. p. 69 (1883); *Swinh. & Barnes, Ibis*, 1885, p. 133 (Mhow distr.); *Koenig, J. f. O.* 1888, p. 277 (Tunis); *id. J. f. O.* 1890, p. 456 (Madeira); *id. J. f. O.* 1892, p. 89 (Tunis).
Gallinago cœlestis, *Dresser, B. Eur.* vii. p. 641, pls. 542, 543 (1880); *Hume & Marshall, Game Birds Ind.* iii. p. 359, cum tab. (1880); *Barnes, Str. F.* ix. p. 459 (1881: Chaman); *Davidson, op. cit.* x. p. 320 (1882: Khandeish); *Salvin, Cat. Strickl. Coll.* p. 606 (1882); *B. O. U. List Brit. B.* p. 166 (1883); *Oates,*

Handb. B. Brit. Burm. ii. p. 381 (1883); *Saunders, ed. Yarrell's Brit. B.* iii. p. 342 (1883); *Hume, Str. F.* x. p. 413 (1883: Mysore); *Tristr. Faun. & Flor. Palest.* p. 132 (1884); *Chapman, Ibis*, 1884, p. 98 (Spain); *Saunders, t. c.* p. 389 (Pyrenees); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 192 (1884); *Salvad. Ann. Mus. Genov.* (2) i. p. 223 (1884: Shoa); *Whitehead, Ibis*, 1885, p. 42 (Corsica); *Reid, t. c.* p. 258 (Morocco); *Pleske, Uebers. Säug. u. Vög. Kola-Halb.* p. 337 (1886); *Gigl. Arif. Ital.* p. 404 (1886); *Salvad. Elenco Ucc. Ital.* p. 232 (1886); *Harvie-Brown & Buckley, Vertebr. Faun. Caithn. etc.* p. 217 (1887); *Backhouse, Ibis*, 1887, p. 72 (East Pyrenees); *Tait, t. c.* p. 389 (Portugal); *Terry, Str. F.* x. p. 480 (1887: Palani Hills); *Harvie-Brown & Buckley, Vertebr. Faun. Outer Hebr.* p. 131 (1888); *Hume, Str. F.* xi. p. 320 (1888: Manipur); *Reichen. Syst. Verz. Vög. Deutschl.* p. 46 (1889); *Saunders, Man. Brit. B.* p. 557 (1889); *St. John, Ibis*, 1889, p. 176 (Kandahar); *Gigl. Arif. Ital.*, 1st *Resoc.* p. 616 (1889), 2nd *Resoc.* p. 652 (1890), 3rd *Resoc.* p. 512 (1891); *Heine & Reichen. Nomencl. Mus. Hein.* p. 331 (1890); *Buckley & Harvie-Brown, Vertebr. Faun. Orkney Isl.* p. 212 (1891); *Dresser, Ibis*, 1891, p. 360 (Erzeroum); *Styan, t. c.* pp. 330, 505 (Lower Yangtse); *Harvie-Brown & Buckley, Vertebr. Faun. Argyll & Inner Hebr.* p. 175 (1892); *Macpherson, Vertebr. Faun. Lakel.* p. 376 (1892); *Barnes, Ibis*, 1893, p. 171 (Aden); *Meade-Waldo, t. c.* p. 204 (Canary Is.); *Munn, Ibis*, 1894, p. 72 (Calcutta); *Whitaker, t. c.* p. 100 (Tunis); *Pearson & Bidwell, t. c.* p. 234 (N. Norway); *Dubois, Faun. Ill. Vert. Belg., Ois.* ii. p. 226, pl. 211 (1894); *Irby, Orn. Straits Gibr.* 2nd ed. p. 278 (1895); *Poynt. Eggs Brit. B.* part ii. (1895).

Gallinago scolopacina, var. brehmi, *Frivaldsky, Av. Hung.* p. 149 (1891).

Gallinago nilsoni (lapsu), *Seebohm, Ibis*, 1884, p. 33 (Hakodadi).

Gallinago coelestis, var. sabinei, *Barrett-Hamilton, Irish Nat.* iv. p. 12 (1895).

Adult male. General colour above black, with a broad line of sandy buff along each side of the back, formed by the broad edges of the scapulars, which are blotched with black; the lower back dusky blackish; rump and upper tail-coverts tawny rufous, barred across with dusky blackish, the long tail-coverts white at the ends; wing-coverts blackish brown, the marginal ones uniform, the median and greater series spotted with ashy white at the tips; bastard-wing and primary-coverts blackish, with small white tips; quills blackish, the first primary whitish along the outer web; the secondaries conspicuously tipped with white; the inner secondaries barred with black and resembling the scapulars; tail-feathers tawny rufous, black at the base, and tipped with white, before which is a wavy sub-terminal bar of dusky blackish, the outer feather regularly barred with blackish; crown of head sandy isabelline along the centre, with a broad black band on each side, followed by an eyebrow of sandy colour, white above the lores, across which, to the eye, is a broad black streak; sides of face white, with a blackish streak across the ear-coverts, which are narrowly streaked with dusky; cheeks and chin white; the throat and chest sandy brown, mottled with blackish spots and bars; breast and abdomen pure white; sides of body conspicuously barred

with dusky blackish; under tail-coverts more rufescent and barred with blackish; under wing-coverts white, barred with dusky blackish; axillaries regularly barred with black and white; lower primary-coverts and quill-lining ashy grey: "bill dark brown, paler at the base and darker at the tip; legs, feet, and claws brown; iris hazel" (*H. Seebohm*). Total length 10 inches, culmen 2·8, wing 5·2, tail 2·3, tarsus 1·2.

Adult female. Similar to the male. Total length 10·5 inches, culmen 2·8, wing 5·3, tail 2·45, tarsus 1·3.

Young. Differs from the adult in being more rufous, especially on the throat and neck. The black markings of the back are more broken up and mottled with rufous bars, and the pale outer bands along the scapulars are not so wide. Mr. Seebohm states that young Snipes may be recognized by not having a dark shaft-line on the light tips of the upper wing-coverts, but I have found indications of the latter in quite young birds. Many ornithologists have supposed that there is a second, and more rufous species of Snipe found in England; but I believe that the differences are merely individual, and in the majority of specimens the rufous colour is due to immaturity.

The curious "Sabine's Snipe" is apparently only a melanistic form. This dark race has been found chiefly in Ireland, and Mr. Barrett-Hamilton has written a very interesting paper on the subject in the 'Irish Naturalist' for January 1895. From this it appears that out of about fifty-five examples of "Sabine's Snipe" in collections, no less than thirty-one have been obtained in Ireland, twenty-two in England, one in Scotland, while the form has only once been found on the continent of Europe.

The way in which the axillaries of the Snipe vary in markings is noteworthy. In many specimens they are pure white, and this is especially the case with Eastern birds, for the barring of the axillaries in birds from India, China, or Japan is seldom strongly pronounced, whereas in Western birds the bars on the axillaries are often very regular and distinct, though they vary very much in breadth. Every stage of barring is represented in the series in the British Museum, which shows the axillaries heavily barred, the blackish bars wider than the white ones; in others the white bars are broader than the dark ones, and they then appear to become whiter and whiter, the bars gradually becoming evanescent and reduced to frecklings, until, in some individuals, these plumes are entirely white. I am inclined to think that the bars decrease in number with the age of the bird, and that the individuals with pure white axillaries are the older birds. Against this idea must be reckoned the fact that the whiter-plumed birds are more frequently found in Eastern localities, as mentioned above, and there may be two races—an Eastern and a Western one, in which case the variation in the marking of the axillaries may be due to an admixture of the strain of the Asiatic Snipe with that of the Western form.

Nestling. Covered with down of a chestnut colour, interspersed with black along the back, and prettily variegated with silvery

tips to the feathers; below the eye is a whitish streak, bordered with lines of black; under surface of body bright chestnut, with a black spot on the throat and a black line across the fore-neck.

Hab. Europe generally and Northern Asia, up to about lat. 70°, migrating south in winter to Senegambia, N.E. Africa, India, and the Malayan countries, as far as Batchian. It occurs in Greenland, but only occasionally in North America, and is accidental in Bermuda.

a–h. ♂ ♀ ad. sk.	Island of Tiree, Aug., Dec.	Colonel Irby [P.].
i. Ad. sk.	Scotland (*R. G. W. R.*).	Tweeddale Coll.
k, l. Ad. et pull. sk.	England.	Gould Coll.
m, n. Ad.; *o, p*. Pull. sk.	Derbyshire (*O. S.*).	Salvin-Godman Coll.
q–u. ♂ ♀ ad.; *v–x*. Pull. sk.	Derbyshire, April, May.	Gould Coll.
y, z. ♂ ad. sk.	Lincolnshire, Sept. 9.	G. H. Caton-Haigh, Esq. [P.].
a'. ♂ ad. sk.	Cambridgeshire, March (*F. Godman*).	Salvin-Godman Coll.
b', c'. Juv. et pull. sk.	Cambridgeshire.	Purchased.
d'. ♂ ad. sk.	Yarmouth, Oct. 29 (*J. E. Harting*).	Seebohm Coll.
e', f'. Ad. sk.	Norfolk.	A. Thomson, Esq. [P.].
g', h'. ♂ ♀ ad.; *i'–m'*. Pull. sk.	Norfolk, June.	Lord Walsingham [P.].
n'. Imm. sk.	Romney Marsh, Kent, Sept. 24.	Dr. R. B. Sharpe [P.].
o', p'. ♂ ♀ ad. sk.	Sussex, Feb., March (*J. E. Harting*).	Seebohm Coll.
q'. ♀ ad. sk.	Balcombe, Sussex, March (*F. Bond*).	Gould Coll.
r', s'. ♀ ad. sk.	Cookham, Berks, Nov., Feb.	Dr. R. B. Sharpe [P.].
t'. Ad. sk.	Devonshire.	Montagu Coll.
u'. ♂ ad. sk.	Cornwall.	D. W. Mitchell, Esq. [P.].
v', w'. Ad. sk.	Cornwall (*Rodd*).	Gould Coll.
x'. ♀ ad. sk.	St. Bride's, S. Wales, April 10.	Hon. W. Edwardes [P.].
y'. Pale variety sk.	Ireland (*Earl of Antrim*).	Harting Coll.
z', a''. Ad. sk.	Ireland.	Seebohm Coll.
b''. Juv. sk.	Belfast.	Gould Coll.
c''. Juv. sk.	Castle Caldwell, July 29 (*A. B. Brooke*).	Seebohm Coll.
d''. ♀ ad. sk.	Co. Mayo, Dec. 8.	F. J. Simpson, Esq. [P.].
e''. ♂ ad. sk.	Bog of Crihelp, Kildare, Feb. 6.	Seebohm Coll.
f''. Ad. sk.	Barna, Co. Galway, Nov. (*Lieut. Beadnell*).	Seebohm Coll.
g'', h''. ♂ ♀ ad. sk.	Milford, Co. Donegal, Feb. 6.	E. Lort Phillips, Esq. [P.].
i''. Pull. sk.	Europe.	Purchased.
k'', l''. ♂ ad. sk.	Heligoland, Nov., Dec. (*L. Gätke*).	Seebohm Coll.

m''. Ad. sk.	Wesel, Germany, Oct. 16.	Ernst Hartert, Esq. [E.].
n''. ♂ ad. sk.	Hungary, Nov. 12.	Hungarian National Museum.
o'', *p''*. Ad. sk.	Near Malaga, Spain, Jan.	Gould Coll.
q''. ♀ ad. sk.	Gibraltar, Jan. 12.	Colonel Irby [P.].
r''. Ad. sk.	Gambia.	Governor Rendall. (Type of *G. latipennis*, Hartl.)
s''. Ad. sk.	Sousa, Tunis, March 2 (*O. Salvin*).	Salvin-Godman Coll.
t''. Ad. sk.	Ghizeh, Egypt, March 14 (*S. S. Allen*).	Seebohm Coll.
u''. Ad. st.	Archangel.	Dr. R. B. Sharpe [P.].
v''–y''. ♂ ad. sk.	Moscow, Sept., Oct.	Seebohm Coll.
z''. Ad. sk.	Cyprus, April 16.	Lord Lilford [P.].
*a*³. ♂ ad. sk.	Plain of Gennesaret.	Canon Tristram [P.].
*b*³, *c*³. ♂ ♀ ad. sk.	Mesopotamia (*Commander Jones*).	India Museum.
*d*³. Juv. sk.	Fao, Persian Gulf, Oct.	W. D. Cumming, Esq. [P.].
*e*³. Ad. sk.	Socotra.	Prof. Balfour [C.].
*f*³. Ad. sk.	Aden, Nov. 17.	Capt. C. G. Nurse [C.].
*g*³–*i*³. ♂ ♀ ad. sk.	Valley of the Yen-e-sai, June (*H. S.*).	Seebohm Coll.
*k*³. Ad. sk.	Yarkand, Nov. 11 (*F. Stoliczka*).	Yarkand Mission.
*l*³. Ad. sk.	Panja, April (*F. Stoliczka*).	Yarkand Mission.
*m*³. Ad. sk.	Kulu (*Major Hay*).	Gould Coll.
*n*³. ♂ ad. sk.	Tchinas, Turkestan, Sept. (*Russow*).	Seebohm Coll.
o. ♂ ad. sk.	Gulran, Northern Afghanistan, March (*J. E. Aitchison*).	Afghan Delimitation Commission.
*p*³. Ad. sk.	Pushut (*Griffith*).	India Museum.
*q*³. ♂ ad. sk.	Candahar, Sept. (*Sir O. St. John*).	Hume Coll.
*r*³. ♀ ad. sk.	Dost Ali, Upper Sind, Jan. 8 (*A. O. H.*).	Hume Coll.
*s*³. ♀ ad. sk.	Karachi, Nov. 15 (*E. A. Butler*).	Hume Coll.
*t*³. ♀ ad. sk.	Deesa, Sept. 19 (*E. A. Butler*).	Hume Coll.
*u*³. ♀ ad. sk.	Delhi, Feb. 6 (*C. T. Bingham*).	Hume Coll.
*v*³, *w*³. ♂ ad. sk.	Gurgaon Distr., Jan. (*A. O. H.*).	Hume Coll.
*x*³, *y*³. ♂ ♀ ad. sk.	Gurgaon Distr., Dec., Jan. (*W. N. Chill*).	Hume Coll.
*z*³. ♂ ad. sk.	Rohtuk, Punjab, Feb. 16 (*A. O. H.*).	Hume Coll.
*a*⁴, *b*⁴. ♂ ad. sk.	Sirsa, Dec. (*A. O. H.*).	Hume Coll.
*c*⁴. Ad. sk.	Dhoon.	Hume Coll.
*d*⁴, *e*⁴. Ad. sk.	Etawah, Jan.	Hume Coll.
*f*⁴. ♀ ad. sk.	Rahun, Etawah, Dec. 29 (*A. Anderson*).	Seebohm Coll.
*g*⁴. ♀ ad. sk.	Allygurh, Oct. 27.	Hume Coll.
*h*⁴, *i*⁴. Ad. sk.	Oudh.	Pinwill Coll.
*k*⁴, *l*⁴. Ad. sk.	Oudh, Jan.	Hume Coll.
*m*⁴. ♀ ad. sk.	Chumparun, March 27 (*R. M. Adam*).	Hume Coll.
*n*⁴. Ad. sk.	Kurnal, Feb.	Hume Coll.
*o*⁴. Ad. sk.	Mirzapur, Oudh, March 7 (*R. Thompson*).	Hume Coll.
*p*⁴. Ad. sk.	Behar.	Hodgson Coll.

g^1–u^1. Ad. sk.	Nepal.	Hodgson Coll. (Types of *G. uniclavata*, Hodgs.)
v^1–y^1. Ad. sk.	Nepal (*B. H. Hodgson*).	India Museum.
z^1–b^2. ♂ ♀ ad. sk.	Nepal Valley, Nov., April (*J. Scully*).	Hume Coll.
c^2–f^2. Ad. sk.	Darjiling (*Col. Sharpe*).	Seebohm Coll.
g^2. Ad. sk.	Assam (*A. W. Chennell*).	Tweeddale Coll.
h^2. Var. albino sk.	Calcutta (*E. Blyth*).	India Museum.
i^2. Ad. sk.	Calcutta, Feb. 11.	Hume Coll.
k^2, l^2. ♀ ad. sk.	Western Khandeish, Dec., Jan. (*J. Davidson*).	Hume Coll.
m^2, n^2. Ad. sk.	Deccan (*Sykes*).	India Museum.
o^2. Ad. sk.	Coorg.	Tweeddale Coll.
p^2. ♂ ad. sk.	S.W. Sylhet, Jan. 20 (*A. O. H.*).	Hume Coll.
q^2, r^2. ♂ ♀ ad. sk.	Manipur, Jan., Feb. (*A. O. H.*).	Hume Coll.
s^2, t^2. Ad. sk.	Tonghoo (*Colonel Lloyd*).	Tweeddale Coll.
u^2. ♂ ad. sk.	Kabwet, Upper Burma, Jan. 9.	Dr. J. Anderson [C.].
v^2, w^2. ♂ ad. sk.	Pegu, Feb., March (*E. W. O.*).	Oates Coll.
x^2. Ad. sk.	Pabvouk, Attaran Distr. (*W. Davison*).	Hume Coll.
y^2. ♂ ad. sk.	Assoon, March 3 (*W. Davison*).	Hume Coll.
z^2. ♀ ad. sk.	Salang, Island of Tonka, Feb. 18 (*J. Darling*).	Hume Coll.
a^3. Ad. sk.	Malacca, July (*W. Davison*).	Hume Coll.
b^3. ♂ ad. sk.	Mouth of Amur River, Aug. 22 (*Dorries*).	Seebohm Coll.
c^3. ♀ ad. sk.	Seoul, Corea, March 31.	C. W. Campbell, Esq. [P.].
d^3. Ad. sk.	Yeddo, Japan (*C. M'Vean*).	Tweeddale Coll.
e^3, f^3. Ad. sk.	Hakodadi, Sept., Nov. (*H. Whitely*).	Tweeddale Coll.
g^3–i^3. ♂ ♀ ad. sk.	Hakodadi, May, Sept (*Blakiston*).	Seebohm Coll.
k^3–n^3. Ad.; o^3, p^3. Albino var. sk.	Yokohama (*H. Pryer & O. Snow*).	Seebohm Coll.
q^3, r^3. Ad. sk.	China (*J. R. Reeves*).	Gould Coll.
s^3, t^3. Ad. sk.	Kiukiang, Oct., April.	F. W. Styan, Esq. [P.].
u^3. Ad. sk.	Amoy (*R. Swinhoe*).	Gould Coll.
v^3. Ad. sk.	Amoy, Oct. (*R. Swinhoe*).	Hume Coll.
w^3. Ad. sk.	Amoy, Sept. (*R. Swinhoe*).	Tweeddale Coll.
x^3–a^4. Ad. sk.	Amoy, Oct., Nov., Feb., March (*R. Swinhoe*).	Seebohm Coll.
b^4, c^4. ♀ ad. sk.	Tukow, Formosa, Oct., Jan. (*R. Swinhoe*).	Seebohm Coll.
d^4, e^4. ♂ ad. sk.	Laguna de Bai, Luzon, Feb. (*A. B. Meyer*).	Tweeddale Coll.
f^4, g^4. ♂ ad. sk.	Monte Alban, Luzon, Feb. (*A. H. Everett*).	Tweeddale Coll.
h^4. ♀ ad. sk.	Batchian.	Wallace Coll.
i^4. Ad. sk.	Canada (*Sir Charles Shelley*).	Tweeddale Coll.
k^4. Ad. sk.	Bermudas (*Wedderburn*).	Jardine Coll.
l^4. Skeleton.	England	Purchased.
m^4. Sternum.	England.	J. Ingall, Esq.
n^4. Skull.	S. Germany.	Dr. Gunther [C.].

Sabine's Snipe.

*o*⁷. Ad. st.	Ireland (*Williams*).	Harting Coll. (*Cf.* Zool. 1877, p. 24.)
*p*⁷. Ad. st.	Ballyconnell, Co. Cavan, Ireland, Nov. 17, 1845. (*Cf.* Thompson, B. Irel. ii. p. 275.)	Harting Coll.
*q*⁷. Ad. sk.	Queen's Co., Ireland (*Vigors Coll.*).	Zoological Society. (Type of *Scolopax sabinei*.)
*r*⁷. Ad. sk.	Island of Tiree, Jan.	Capt. Willoughby Verner [P.].
*s*⁷. Ad. st.	Romsey, Hants, Oct. (*J. Baker*).	Harting Coll.
*t*⁷. ♂ ad. st.	Near Paris, Feb. 1854.	Purchased.

6. Gallinago delicata.

Scolopax gallinago (*nec Linn.*), *Wilson, Amer. Orn.* vi. p. 18, pl. 147. fig. 1 (1812); *d'Orbign. in Ramon de la Sagra, Hist. Nat. Cuba*, p. 231 (1839); *Lawr. Proc. U.S. Nat. Mus.* i. p. 451 (1878 : Guadeloupe).

Scolopax delicata, *Ord, ed. Wilson's Amer. Orn.* ix. p. 218 (1825).

Scolopax wilsoni, *Temm. Pl. Col.* v. livr. 68 (1826); *Bp. Ann. Lyc. N.Y.* ii. p. 330 (1826); *Swains. Faun. Bor.-Amer., Birds*, p. 401 (1831 : Hudson's Bay); *Audub. Orn. Biogr.* iii. p. 322, pl. 243 (1835), v. p. 583 (1839); *id. B. Amer.* 8vo, v. p. 339, pl. cccl. (1842); *Giraud, B. Long Isl.* p. 261 (1844); *Sundev. Œfv. K. Vet.-Akad. Förh. Stockh.* 1869, p. 587 (St. Bartholomew), p. 601 (Porto Rico); *Trippe, Proc. Essex Inst.* vi. p. 119 (1871 : Minnesota, April to Oct.); *Pelz. Orn. Bras.* p. 458 (1871 : Rio de Janeiro).

Scolopax brehmi (*nec Kaup*), *Bp. Observ. Wilson's Amer. Orn.* no. 204 (1826).

Scolopax drummondi, *Swains. Faun. Bor.-Amer., Birds*, p. 400 (1831 : Rocky Mountains); *Audub. Orn. Biogr.* v. p. 319 (1839).

Scolopax douglasii, *Swains. Faun. Bor.-Amer., Birds*, p. 400 (1831 : Columbia River).

Wilson's Snipe, *Nuttall, Man. Orn.* ii. p. 185 (1834).

Drummond's Snipe, *Nuttall, t. c.* p. 190.

Douglas's Snipe, *Nuttall, t. c.* p. 191.

Gallinago drummondi, *Bp. Comp. List B. Eur. & N. Amer.* p. 52 (1838); *Gray, Gen. B.* iii. p. 583 (1846); *Bp. C. R.* xliii. p. 579 (1856).

Gallinago wilsoni, *Bp. Comp. List B. Eur. & N. Amer.* p. 52 (1838); *Gray, List Grall. Brit. Mus.* p. 111 (1844); *id. Gen. B.* iii. p. 583 (1846); *Gosse, B. Jamaica*, p. 353 (1847); *Licht. Nomencl. Av. Mus. Berol.* p. 93 (1854); *Bp. C. R.* xliii. p. 579 (1856); *Gundl. J. f. O.* 1856, p. 350 (Cuba); *Scl. P. Z. S.* 1856, p. 310 (Mexico); *Cass. in Baird's B. N. Amer.* p. 710 (1858); *Henry, Proc. Acad. Nat. Sci. Philad.* 1859, p. 108 (New Mexico); *Xantus, t. c.* p. 192 (Fort Tejon, California); *Moore, P. Z. S.* 1859, p. 64 (Omoa); *Scl. t. c.* p. 369 (Jalapa); *Bryant, Proc. Bost. Soc. Nat. Hist.* vii. p. 121 (1859 : Bahamas); *Scl. & Salv. Ibis*, 1859, p. 228; *A. & E. Newt. t. c.* p. 258 (St. Croix); *G. C. Taylor, Ibis*, 1860, p. 314 (Comayagua, Honduras); *Brewer, Proc. Bost. Soc. Nat. Hist.* vii. p. 308 (1860 : Cuba); *Scl. P. Z. S.* 1861, p. 80 (Jamaica); *Gundl. J. f. O.* 1862, p. 85 (Cuba); *Boardm. Proc. Bost. Soc. Nat. Hist.* ix. p. 128 (1862 : Calais, Maine); *Blakiston, Ibis*, 1863, p. 131;

March, Proc. Acad. Nat. Sci. Philad. 1864, p. 67 (Jamaica); *Scl. P. Z. S.* 1864, p. 178 (Mexico); *Schl. Mus. Pays-Bas*, Scolopaces, p. 6 (1864); *Dresser, Ibis*, 1866, p. 36 (San Antonio, Texas); *Scl. & Salv. P. Z. S.* 1867, p. 280 (Mosquitia Coast); *Allen, Mem. Bost. Soc. Nat. Hist.* i. p. 501 (1868: Western Iowa); *Lawr. Ann. Lyc. N. Y.* ix. p. 141 (1868: Costa Rica); *Brown, Ibis*, 1868, p. 425 (Vancouver Island); *Dall & Bann. Trans. Chic. Acad.* i. p. 291 (1869: Sitka; Kadiak); *Stevenson, Geol. Surv. Terr.* 1870, p. 403 (Fort Sanders, Wyoming); *Salvin, P. Z. S.* 1870, p. 219 (Veragua); *Allen, Bull. Mus. C. Z.* ii. p. 355 (1871: Florida); *Gray, Hand-l. B.* iii. p. 52, no. 10335 (1871); *Trippe, Proc. Bost. Soc. Nat. Hist.* xv. p. 240 (1872: Iowa, spring and autumn); *Allen, Bull. Mus. C. Z.* iii. p. 181 (1872: Ogden, Utah); *Merriam, Geol. Surv. Terr.* 1872, p. 700 (Fort Ellis, Montana); *Coues, Key N. Amer. B.* p. 252 (1872); *Scl. & Salv. Nomencl. Av. Neotr.* p. 144 (1873); *Coues, B. N.-West*, p. 475 (1874); *Lawr. Mem. Bost. Soc. Nat. Hist.* ii. p. 308 (1874: Mazatlan; Colima); *Hensh. Rep. Zool. Expl. 100th Merid.* p. 452 (1875: Utah; Arizona); *Gundl. J. f. O.* 1875, p. 321 (Cuba); *id. Anal. Soc. Esp. Hist. Nat.* viii. p. 368 (1878: Porto Rico); *Coues, Bull. U.S. Geol. Surv.* iv. p. 638 (1878: Mouse River, Dakota, Sept.); *Merrill, Proc. U.S. Nat. Mus.* i. p. 161 (1878: Fort Brown); *Lawr. t. c.* p. 197 (St. Vincent), pp. 238, 242 (Antigua and Barbuda); *Belding, t. c.* pp. 392, 448 (California); *Scl. & Salv. P. Z. S.* 1879, p. 547 (Medellin, Antioquia); *Maynard, B. East. N. Amer.* p. 375 (1879); *A. & E. Newt. Handb. Jamaica*, p. 116 (1881); *Coues, Check-list N. Amer. B.* p. 100 (1882); *Belding, Proc. U.S. Nat. Mus.* v. p. 534 (1883: San José, California); *Stearns, op. cit.* vi. p. 119 (1883: Labrador); *Belding, t. c.* p. 351 (La Paz, Lower California); *Baird, Brewer, & Ridgway, Water-B. N. Amer.* i. p. 188 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 621 (1884); *Ageesh. Auk*, ii. p. 286 (1885: S.E. Dakota); *Seton, t. c.* p. 339 (Toronto); *Turner, Proc. U.S. Nat. Mus.* viii. p. 246 (1885: Labrador); *A. O. U. Check-l. N. Amer. B.* p. 148 (1886); *Feilden, Ibis*, 1889, p. 492 (Barbados); *Heine & Reichen. Nomencl. Mus. Hein.* p. 331 (1890: Mexico).

Gallinago delicata, *Gray, Gen.* iii. p. 583 (1846); *Bp. C. R.* xliii. p. 570 (1856).

Telmatias (Scolopax) wilsoni, *Reichenb. Grall. Taf.* cccl vi. figs. 2790–92 (1850).

Gallinago gallinaria, var. wilsonii, *Ridgw. Ann. Lyc. N.Y.* x. p. 383 (1874).

Gallinago media wilsoni, *Ridgw. Nomencl. N. Amer. B.* p. 44 (1881); *Nelson, Cruise U.S.S. Corwin*, p. 85 (1881: Coasts of Bering Sea, Lat. 69°); *Dresser, Auk*, ii. p. 18 (1885: Colorado); *Wells, List B. Grenada*, p. 8 (1886).

Gallinago delicata, *Turner, Contr. Nat. Hist. Alaska*, p. 146 (1886: St. Michael's, June); *Eckmann, Auk*, iii. p. 91 (1886: Ventura Co., California); *Seton, t. c.* p. 151 (Manitoba); *Anthony, t. c.* p. 164 (Oregon); *Eckmann, t. c.* p. 179 (N. Carolina); *Fox, t. c.* p. 328 (Delaware); *Scott, t. c.* p. 386 (Arizona); *Ferrari-Perez, Proc. U.S. Nat. Mus.* ix. p. 178 (1886: Valley of Mexico); *Wells, t. c.* p. 428 (Grenada); *Towns. op. cit.* x. pp. 198, 233 (1887: Humboldt Bay); *Beckham, t. c.* pp. 640, 652 (Texas); *Nelson, Nat. Hist. Coll. Alaska*, p. 160 (1887: St. Michael's and Lower Yukon); *Cory, Auk*, iv. p. 86 (1887: Martinique); *Beckham, t. c.* p. 121 (Colorado); *Lloyd, t. c.* p. 185 (W. Texas); *Cory, t. c.*

p. 311 (Bahamas); *Ridgway, Man. N. Amer. B.* p. 150 (1887); *Merrill, Auk*, v. p. 144 (1888: Oregon); *Chapm. t. c.* p. 270 (Gainsville, Florida); *Evermann, t. c.* p. 348 (Indiana); *Cory, B. West Indies*, p. 232 (1889); *Bishop, Auk*, vi. p. 146 (1889: Magdalen Isl.); *Scott, t. c.* p. 156 (Tarpon Springs, Florida); *Pindar, t. c.* p. 312 (Kentucky); *Warren, B. Pennsylvania*, p. 80, pl. ix. (1890); *Palmer, Proc. U.S. Nat. Mus.* xiii. p. 260 (1890: St. John's); *Thompson, t. c.* p. 498 (Manitoba); *Eagle-Clarke, Auk*, vii. p. 321 (1890: Hudson's Bay); *Cherrie, t. c.* p. 332 (Costa Rica); *Chapm. Bull. Amer. Mus.* iii. pp. 132, 156 (1890: British Columbia); *Brewster & Chapm. Auk*, viii. p. 137 (1891: Suwanee River); *Allen, t. c.* p. 165 (Bras d'Or Region); *Macfarl. Proc. U.S. Nat. Mus.* xiv. p. 426 (1891: Anderson River, breeding); *Scott, Auk*, ix. p. 12 (1892: Jamaica); *Lawr. t. c.* p. 42 (Gray's Harbour, Washington); *Mackay, t. c.* p. 199 (W. Barnstable); *Scott, t. c.* p. 212 (Coloosahatchie Region, Florida); *Attwater, t. c.* p. 232 (San Antonio, Texas); *Cory, Cat. B. West Indies*, p. 92 (1892: Lesser and Greater Antilles; Bahamas); *Hatch, B. Minnesota*, p. 120 (1892); *Cherrie, Auk*, ix. p. 329 (1892: San José, Costa Rica); *Anthony, t. c.* p. 360 (S.E. New Mexico); *Allen, Bull. Amer. Mus.* v. p. 33 (1893: Mexico); *Dwight, Auk*, x. p. 8 (1893: Prince Edward Island); *Allen, t. c.* p. 125; *White, t. c.* p. 223 (Mackinac Island); *Richm. Proc. U.S. Nat. Mus.* xiv. p. 526 (1893: San Carlos, Nicaragua); *Jouy, t. c.* p. 791 (Central Mexico); *Richm. & Knowlton, Auk*, xi. p. 301 (1894: Fort Ellis, Montana); *Thorne, Auk*, xii. p. 213 (1895: Fort Keogh, Montana); *McKay, t. c.* p. 310 (Massachusetts); *Wayne, t. c.* p. 364 (Florida).

Scolopax gallinago wilsoni, *Seebohm, Geogr. Distr. Charadr.* p. 486 (1888).

Adult male. Similar to *G. gallinago*, and with the head striped down the centre of the crown, but having *sixteen* tail-feathers; axillaries transversely barred with black and white; breast barred with dusky blackish: "bill brownish (greenish grey in life), paler at the base and darker towards the end; iris dark brown, light greenish grey in life" (*R. Ridgway*). Total length 10·7 inches, culmen 2·4, wing 5, tail 2·1, tarsus 1·2.

Adult female. Similar to the male. Total length 10·3 inches, culmen 2·5, wing 5·2, tail 2·2, tarsus 1·2.

On the differences between Wilson's Snipe and the Common Snipe it will be well to quote the remarks of the late Mr. Seebohm. After enumerating the characters of the species as given above, he writes:—"So far as I know, the American birds are always constant to their characters, but unfortunately for the validity of the two species there is not one of these characters (except perhaps the very short bill, which is not always characteristic of the American form) which does not frequently occur in examples from the Old World. Hume says that in India Fan-tailed Snipes with *sixteen* tail-feathers are common enough. Snipes with barred axillaries are, perhaps, the rule, rather than the exception, even in England. Snipes with transversely barred breasts are occasionally found in the Old World, and the number of

bars across the outer tail-feathers of British-killed examples varies from three to five. Nevertheless I have never seen an Old-World example of a Snipe possessing *all* the characters of the American species."

Hab. North America, breeding from the northern United States northward; in winter visiting Bermuda, the West Indies, and extending sparingly to Colombia and Brazil.

a. ♂ ad. sk.	St. Michael's, Alaska, June 1 (*E. W. Nelson*: *Henshaw Coll.*).	Salvin-Godman Coll.
b. ♀ ad. sk.	Pumiktalik River, Alaska (*E. W. Nelson*: *Henshaw Coll.*).	Salvin-Godman Coll.
c. ♂ ad. sk.	Fort Reliance, Alaska, May 2 (*E. W. Nelson*: *Henshaw Coll.*).	Salvin-Godman Coll.
d. ♂ ad. sk.	Fort Simpson.	B. R. Ross, Esq. [P.].
e, *f*. Ad. sk.	Vancouver Island.	J. K. Lord, Esq. [P.].
g, *h*, *i*. Ad. sk.	British Columbia.	J. K. Lord, Esq. [P.].
k, *l*. Ad. sk.	49th Parallel (*G. M. Dawson*).	N. A. Bound. Comm.
m, *n*. Ad. sk.	Hudson's Bay.	Hudson's Bay Comp. [P.].
o. Ad. sk.	Repulse Bay.	Dr. Rae [P.].
p. Ad. sk.	Canada (*Sir Charles Shelley*).	Tweeddale Coll.
q, *r*. Ad. sk.	Canada.	Seebohm Coll.
s. Ad. sk.	Lake Ontario, Canada West.	C. J. Phelips, Esq. [P.].
t. Ad. sk.	Toronto.	Seebohm Coll.
u. Ad. sk.	Niagara Falls.	Gould Coll.
v. Ad. sk.	New Brunswick.	Capt. Savile Reid [C.].
w. ♂ ad. sk.	Cape May, New Jersey, April.	Salvin-Godman Coll.
x, *y*. ♀ ad. sk.	New Haven, Connecticut, Oct. (*A. J. Dayan*: *Henshaw Coll.*).	Salvin-Godman Coll.
z. ♀ ad. sk.	Waukegan, Illinois, May 4 (*E. W. Nelson*: *Henshaw Coll.*).	Salvin-Godman Coll.
a'. ♀ ad. sk.	Tuldik, Washington Territory, Jan. 1 (*Henshaw Coll.*).	Salvin-Godman Coll.
b'. ♀ ad. sk.	Nicasio, Marine Co., California, Feb. 6 (*Henshaw Coll.*).	Salvin-Godman Coll.
c', *d'*. ♂ ♀ ad. sk.	Carson, Nevada, Nov. 21 (*Henshaw Coll.*).	Salvin-Godman Coll.
e'. Ad. sk.	Pennsylvania.	Seebohm Coll.
f', *g'*. ♂ ad. sk.	Washington, D.C., March, April, Sept. (*Henshaw Coll.*).	Salvin-Godman Coll.
h'. ♀ ad. sk.	Rigolets, Louisiana, April 4 (*Henshaw Coll.*).	Salvin-Godman Coll.
i'. Ad. sk.	Bermuda.	Capt. Savile Reid [C.].
k'. ♂ ad.: *l'*-*p'*. ♀ ad. sk.	Corpus Christi, Texas, Oct., Nov. (*F. B. Armstrong*).	Salvin-Godman Coll.
q', *r'*. Ad. sk.	Mexico.	Seebohm Coll.
s'. ♂ ad. sk.	Playa Vicente, Vera Cruz, Dec. (*M. Trujillo*).	Salvin-Godman Coll.

t'. ♂ ad. sk.	Vera Cruz, March (*Ferrari-Perez*).	Salvin-Godman Coll.
u'. Ad. sk.	Jalapa (*de Oca*).	Salvin-Godman Coll.
v'. ♂ ad.; *w'*, *x'*. ♀ ad. sk.	Teapa, Feb. (*D. W. Smith*).	Salvin-Godman Coll.
y'. ♀ ad. sk.	Cayo, British Honduras, Nov. 15 (*F. Blancaneaux*).	Salvin-Godman Coll.
z'. Ad. sk.	Guatemala.	Gould Coll.
a''. Ad. sk.	Guatemala.	Tweeddale Coll.
b''. ♂ ad. sk.	San Gerónimo, Vera Paz, Oct. 29 (*O. Salvin*).	Tweeddale Coll.
c''. Ad. sk.	Coban, Vera Paz, Nov. (*O. Salvin*).	Seebohm Coll.
d''. ♀ ad. sk.	Choctum, Vera Paz (*O. Salvin*).	Salvin-Godman Coll.
e''. ♀ ad. sk.	Tactic, Vera Paz, Jan. (*O. Salvin*).	Seebohm Coll.
f''–k''. ♂ ♀ ad. sk.	Dueñas, Oct. (*O. Salvin*).	Salvin-Godman Coll.
l'', *m''*. ♂ ♀ ad. sk.	Dueñas, Oct. (*O. Salvin*).	Seebohm Coll.
n''–p''. ♂ ad. sk.	Atitlan, Guatemala (5000 ft.), Dec. (*W. B. Richardson*).	Salvin-Godman Coll.
q''. Ad. sk.	Costa Rica (*A. R. Endrès*).	Salvin-Godman Coll.
r''. ♂ ad. sk.	Bibala, Chiriqui, Veragua (*E. Arcé*).	Salvin-Godman Coll.
s''. ♂ ad. sk.	Medellin, U.S. Colombia (*T. K. Salmon*).	Salvin-Godman Coll.
t''. Ad. sk.	Caracas, Venezuela.	Salvin-Godman Coll.
u''. Ad. sk.	Maroni River, Surinam (*Kappler*).	Seebohm Coll.
v''. ♀ ad. sk.	St. Vincent, West Indies, Feb. (*D. W. Smith*).	Salvin-Godman Coll.
w''. ♀ ad. sk.	Grenada, W.I., Oct. 20 (*D. W. Smith*).	Salvin-Godman Coll.
x''. Ad. sk.	St. Nevis, W.I.	W. Cottle, Esq. [P.]
y''. Ad. sk.	Rio Negro, Amazonia.	Seebohm Coll.
z'', a^3. Ad. sk.	Bahia, Brazil (*Dr. Wucherer*).	Salvin-Godman Coll.
b^3. ♀ ad. sk.	Rio de Janeiro.	Alexander Fry, Esq. [P.].
c^3. Ad. st.	Rio de Janeiro.	Purchased.

7. Gallinago frenata.

Becasina seconda, *Azara*, *Apunt.* iii. p. 275, no. 388 (1805).

Scolopax frenata, *Illiger*; *Licht. Verz. Doubl.* p. 75 (1823); *Neuwied*, *Beitr. Naturg. Bras.* iv. p. 712 (1833); *Hartl. Ind. Azara*, p. 24 (1847); *Cab. in Schomb. Reis. Guian.* iii. p. 758 (1848); *Burm. Th. Bras.* iii. p. 377 (1856: Lagoa Santa); *id. Reise La Plata-St.* ii. p. 503 (1861); *Pelz. Orn. Bras.* pp. 312, 458 (1871: Sapitiba, March, May; San Paulo, Jan.; Ypanema, Feb., April, Aug.; Villa de Castro, Dec.; Irisanga, Feb.; Caiçara, March); *Seebohm*, *Geogr. Distr. Charadr.* p. 494 (1888).

Scolopax brasiliensis, *Swains. Faun. Bor.-Amer.*, *Birds*, p. 400, note (1831: Brazil).

Gallinago paraguaiæ, pt., *Gray*, *Gen. B.* iii. p. 583 (1846).

Telmatias (Scolopax) frenata, *Reichenb. Grall.* tab. ccclvi. figs. 2788–89 (1850).

Gallinago frenata, *Licht. Nomencl. Av. Mus. Berol.* p. 93 (1854: S. America); *Bp. C. R.* xliii. p. 579 (1856); *Schl. Mus. Pays-Bas*, Scolopaces, p. 9 (1864: Surinam and Brazil); *Scl. & Salv. Exotic Orn.* p. 196 (1869); *id. P. Z. S.* 1870, p. 788 (Venezuela); *Gray, Hand-l. B.* iii. p. 53, no. 10338 (1871); *Scl. & Salv. Nomencl. Av. Neotr.* p. 144 (1873); *Ernst, Estud. Flor. y Faun. Venezuela*, p. 312 (1877: Merida); *W. A. Forbes, Ibis*, 1881, p. 350 (Pernambuco, breeding); *Salvin, Cat. Strickl. Coll.* p. 607 (1882); *id. Ibis*, 1886, p. 179 (British Guiana); *Riker & Chapm. Auk*, viii. p. 163 (1891: Santarem, Brazil); *Allen, Bull. Amer. Mus.* v. p. 150 (1893: Matto Grosso, Nov.).

Gallinago wilsoni (*nec Temm.*), *Léot. Ois. Trinid.* p. 484 (1866).

Scolopax frenata brasiliensis, *Seebohm, Ibis*, 1886, p. 138.

? Gallinago delicata (*nec Ord*), *Chapman, Bull. Amer. Mus.* vi. p. 78 (1894: Trinidad).

Adult male. Of the same form as *G. delicata*, with a pale stripe down the crown, and having 16 tail-feathers; but distinguished by the first or outer secondaries being conspicuously longer than the primary-coverts; the outer tail-feathers decidedly narrower than in *G. delicata*. Total length 10 inches, culmen 2·8, wing 4·9, tail 2, tarsus 1·2.

Adult female. Does not differ from the male. Total length 10 inches, culmen 2·9, wing 4·7, tail 2, tarsus 1·3.

Hab. South America, from Venezuela and Guiana to Southern Brazil, Uruguay, Argentina, and the province of Tarapacá in Chili.

a. ♂ ad. sk.	Merida, Venezuela (*Goering*).	Salvin-Godman Coll.
b. Ad. sk.	Trinidad.	Seebohm Coll.
c d. ♂ ♀ ad. sk.	Roraima, British Guiana, Jan., June (*H. Whitely*).	Seebohm Coll.
e, f. ♂ ♀ ad. sk.	Merumé Mountains, British Guiana, July (*H. Whitely*).	Salvin-Godman Coll.
g. ♀ ad. sk.	Bartica Grove, British Guiana, Feb. 18 (*H. Whitely*).	Salvin-Godman Coll.
h. ♂ ad. sk.	Aunai, British Guiana, May 17 (*H. Whitely*).	Salvin-Godman Coll.
i. Ad. sk.	Savana of British Guiana.	J. J. Quelch & F. V. C. McConnell, Esqs. [P.].
k, l. ♂ ad.; *m.* ♀ ad. sk.	Cayenne.	Seebohm Coll.
n. Ad. sk.	Brazil.	Seebohm Coll.
o. Ad. sk.	Pará.	R. Graham, Esq. [P.].
p. Ad. st.	River Amazons.	Purchased.
q. Ad. sk.	Pernambuco (*W. A. Forbes*).	Salvin-Godman Coll.
r. Ad. sk.	Santa Fé, Minas Geraes (*Rodgers*).	Salvin-Godman Coll.
s. ♂ ad. sk.	Pelotas, Rio Grande do Sul (*Joyner*).	Salvin-Godman Coll.
t. ♂ ad. sk.	Ypanema, April (*J. Natterer*).	Salvin-Godman Coll.
u. Ad. st.	Bahia.	Sudbury Museum.
v, w. Ad. sk.	Bahia.	Seebohm Coll.

x. ♂ ad. sk.	Rio de Janeiro.	Alexander Fry, Esq. [P.].
y. Ad. sk.	Uruguay.	Alan Peel, Esq. [C.].
z. Ad. sk.	Mendoza, Nov. (*Burmeister*).	Salvin-Godman Coll.
a'. ♂ imm. sk.	Sacaya, Tarapacá, April (*A. A. Lane*).	Berkeley James Coll.

Subsp. *a*. Gallinago andina.

Scolopax frenata (*nec Licht.*), *Tschudi, Faun. Peruan.* pp. 52, 299 (1845–46).

Gallinago frenata (*nec Licht.*), *Scl. & Salv. P. Z. S.* 1869, p. 156 (Tungasuca, Peru, 11,000 to 14,000 ft.).

Scolopax andina, *Tacz. P. Z. S.* 1874, p. 561 (Junin, Peru); *Scl. & Salv. P. Z. S.* 1876, pp. 17, 19 (Tinta, Peru); *Tacz. P. Z. S.* 1880, p. 213 (Cutervo, Peru, 9000 ft., Dec., Jan.); *id. Orn. Pérou*, iii. p. 375 (1886).

Scolopax frenata andina, *Seebohm, Ibis*, 1886, p. 138; *id. Geogr. Distr. Charadr.* p. 497 (1888).

Adult male. Similar to *G. frenata*, and having the first or outer secondaries decidedly longer than the primary-coverts, but the size much smaller and the axillaries whiter, the blackish cross-bars being very narrow: "bill dull yellow for the basal half, and blackish brown at the tip; feet (in skin) of a dull flesh-colour; iris dark brown" (*Jelski*). Total length 7·5 inches, culmen 2·1, wing 4·6, tail 1·8, tarsus 1.

Adult female. Similar to the male. Total length 8·3 inches, culmen 1·95, wing 4·5, tail 1·7, tarsus 1.

Hab. Peru.

a, b. ♂ ♀ ad. sk.	Lake Junin, Central Peru (*Stolzmann*).	Seebohm Coll.
c. ♀ ad. sk.	Tungasuca, Peru, May 28 (*H. Whitely*).	Salvin-Godman Coll.

8. Gallinago nobilis.

Gallinago nobilis, *Scl. P. Z. S.* 1856, p. 31 (Bogotá); *Bp. C. R.* xliii. p. 579; *Schl. Mus. Pays-Bas*, Scolopaces, p. 9 (1864: Bogotá); *Scl. & Salv. Exotic Orn.* p. 196, pl. xcviii. (1869); *Gray, Hand-l. B.* iii. p. 53, no. 10337 (1871); *Scl. & Salv. Nomencl. Av. Neotr.* p. 144 (1873); *Pelz. Ibis*, 1875, p. 332; *Scl. & Salv. P. Z. S.* 1879, p. 547 (Retiro, U.S. Colombia); *Berlepsch & Tacz. P. Z. S.* 1884, p. 313 (Western Ecuador); *Heine & Reichen. Nomencl. Mus. Hein.* p. 331 (1890: Bogotá).

Gallinago granadensis, *Bp. C. R.* xliii. p. 579 (1856).

Scolopax nobilis, *Seebohm, Ibis*, 1886, p. 133; *id. Geogr. Distr. Charadr.* p. 498 (1888).

Adult male. Of the same group as *G. delicata*, but differing in its enormous bill, which is more than 3 inches in length; the foreneck and chest are likewise much more thickly mottled with black; the feet and toes are much larger and heavier than in *G. delicata*

and its allies. Total length 11·5 inches, culmen 4·1, wing 6, tail 2·4, tarsus 1·7.

Adult female. Similar to the male. Total length 11·5 inches, culmen 3·75, wing 5·7, tail 2, tarsus 1·4.

Nestling. Patterned with velvety black and vinous rufous, the feathers slightly tipped with silvery white; the wings chestnut, with a little black at the base; forehead and sides of face chestnut, with scattered spots of velvety black, one on the forehead, another on the vertex, separated by chestnut mottling from the black on the nape; a narrow line of black across the lores, joining a streak of black which traverses the fore part of the face and cheeks; under surface of body chestnut, with a black spot on the chin, another on each side of the lower throat, and another spot on each side of the breast, the abdomen inclining to isabelline, with a black mark on the flanks.

Hab. Colombia and Ecuador.

a, b. ♂ ♀ ad. sk.	Retiro (7000 ft.), Antioquia, Colombia (*T. K. Salmon*).	Salvin-Godman Coll.
c, d. Ad. st.	Bogotá.	J. Gould, Esq.
e. Ad. sk.	Bogotá.	Salvin-Godman Coll. (Type of species.)
f, g, h. Ad. sk.	Bogotá.	Salvin-Godman Coll.
i n. Ad. sk.	Bogotá.	Seebohm Coll.
o. Pull. sk.	Bogotá.	Purchased.
p. Ad. sk.	Ecuador.	Salvin-Godman Coll.
q. Ad. sk.	Maravinia, Ecuador (*C. Buckley*).	Salvin-Godman Coll.

9. Gallinago macrodactyla.

Gallinago macrodactyla, *Bp. Icon. Faun. Ital., Vec.* fasc. xxv. (1832); *id. C. R.* xliii. p. 579 (1856); *Gray, Hand-l. B.* iii. p. 52, no. 10330, pt. (1871); *Harting, P. Z. S.* 1882, p. 355 (Madagascar); *Ridgw. Proc. U. S. Nat. Mus.* iv. p. 331 (1882).

Gallinago elegans, *Desjardin, Quatr. Rapp. Ann. Soc. d'Hist. Nat. Maurice* (1834: *teste Milne-Edwards & Grandidier*); *Gray, Gen. B.* iii. p. 583 (1846).

Gallinago mauritiana, *Desjardin, Quatr. Rapp. Ann. Soc. d'Hist. Nat. Maurice* (1834: *teste Milne-Edwards & Grandidier*).

Scolopax elegans, *Desjardin, P. Z. S.* 1835, p. 204 (Mauritius).

Scolopax mauritiana, *Desjardin, l. c.* p. 204 (Mauritius).

Gallinula bernieri, *Pucheran, Rev. Zool.* 1845, p. 279; *Hartl. Faun. Madag.* p. 78 (1881); *Roch & Newt. Ibis*, 1864, p. 172 (Foule Point, Nov.); *Pollen, Nederl. Tijdschr. Dierk.* i. p. 322 (1863); *A. Newt P. Z. S.* 1865, p. 837 (Madagascar); *Grandid. Rev. et Mag. de Zool.* 1868, p. 4; *Sharpe, P. Z. S.* 1870, p. 389 (Madagascar); *Gray, Hand-l. B.* iii. p. 52, no. 10334 (1871); *Hartl. Voy. Madag.* p. 333 (1877); *Bartlett, P. Z. S.* 1879, p. 772 (S.E. Betsileo); *Schree, Ibis*, 1882, p. 115 (Madagascar).

Gallinago nigripennis (pt.), *Finsch & Hartl. Vog. Ostafr.* p. 769 (1870).

Gallinago nigripennis, var bernieri, *Milne-Edwards & Grandid. Hist. Nat. Madag., Ois.* p. 637, pl. 200 (1882).

Scolopax nobilis macrodactyla, *Seebohm, Ibis*, 1886, p. 133; *id. Geogr. Distr. Charadr.* p. 499 (1888).

Adult. Of the same group of Snipes as *G. gallinago*, *G. delicata*, &c., but with the bill more than 3 inches in length. In this character it approaches *G. nobilis*, but it is not so heavy a bird, and can be distinguished by the slightly longer toes, and by having the white bars on the axillaries broader than the black ones: "bill blackish; feet dark grey; iris black" (*A. Grandidier*). Total length 13 inches, culmen 3·7, wing 5·5, tail 2·3, tarsus 1·6.

Hab. Madagascar and Mauritius.

a. Ad. sk.	Madagascar.	Old Coll.
b, *c*. Ad.; *d*. Pull. sk.	Madagascar.	Seebohm Coll.
e. ♀ ad. sk.	Nossi Vola, Madagascar, Nov. 12 (*Crossley*).	Seebohm Coll.
f. Ad. sk.	Fantoferona, West of Antananarivo, Madagascar, July (*W. Deans Cowan*).	Seebohm Coll.

10. Gallinago paraguayæ.

Becasina prima, *Azara, Apunt.* iii. p. 271, no. 387 (1805).

Scolopax paraguaiæ, *Vieill. N. Dict. d'Hist. Nat.* iii. p. 356 (1816); *id. Enc. Méth.* iii. p. 1160 (1823); *Fraser, P. Z. S.* 1843, p. 118 (Chili); *Hartl. Ind. Azara*, p. 24 (1847); *Yarrell, P. Z. S.* 1847, p. 54 (Chili).

Scolopax magellanicus, *King, Zool. Journ.* iv. p. 93 (1833).

Scolopax (Telmatias) paraguaiæ, *Gould in Darwin's Voy.* '*Beagle*,' *Birds*, p. 131 (1841: Valparaiso; Maldonado; Rio Plata).

Scolopax (Telmatias) magellanicus, *Gould in Darwin's Voy.* '*Beagle*,' *Birds*, p. 131 (1841: Maldonado; E. Falklands).

Gallinago magellanicus, *Gray, List Grall. Brit. Mus.* p. 111 (1844); *id. Gen. B.* iii. p. 583 (1846); *Gay, Faun. Chil., Zool.* i. p. 427 (1847); *Bp. C. R.* xliii. p. 579 (1856); *Scl. P. Z. S.* 1860, p. 387 (Falkland Is.); *Abbott, Ibis*, 1861, p. 156 (Falkland Is.).

Gallinago paraguaiæ, *Gray, List Grall. Brit. Mus.* p. 111 (1844); *id. Gen. B.* iii. p. 583 (1846); *Bp. C. R.* xliii. p. 579 (1856); *Schl. Mus. Pays-Bas*, Scolopaces, p. 11 (1864: Chili & Falkland Is.); *Scl. P. Z. S.* 1867, pp. 332, 339 (Chili); *id. & Salvin, P. Z. S.* 1868, p. 144 (Conchitas); *iid. Ibis*, 1868, p. 189 (Sandy Point, Straits of Magellan); *iid. Exotic Orn.* p. 196 (1869); *Gray, Hand-l. B.* iii. p. 53, no. 10336 (1871); *Scl. & Salv. Nomencl. Av. Neotr.* p. 144 (1873); *Durnf. Ibis*, 1877, p. 198 (Buenos Ayres); *Scl. & Salv. P. Z. S.* 1878, p. 438 (Puerto Bueno; Falkland Is.); *iid. Rep. Voy.* '*Challenger*,' *Zool.* ii. *Birds*, p. 109 (1880); *Sharpe, P. Z. S.* 1881, p. 15 (Cockle Cove, Straits of Magellan); *Barrows, Auk*, i. p. 314 (1884: Lower Uruguay); *Gibson, Ibis*, 1885, p. 282 (Paysandu, Uruguay); *Withington, Ibis*, 1888, p. 472 (Lomas de Zamora); *Scl. & Huds. Argent. Orn.* ii. p. 181 (1889); *Heine & Reichen. Nomencl. Mus. Hein.* p. 331 (1890: Chili); *Lucas, Proc. U.S. Nat. Mus.* xiii. p. 130 (1890: Laredo Bay, Straits of Magellan); *Scl. P. Z. S.* 1891, p. 137, pt. (Tarapacá); *Oust. Miss. Sci. Cap Horn, Ois.* p. 124 (1891); *Holland, Ibis*, 1891, p. 16 (Argentine Republic); *Graham Kerr, Ibis*, 1892, p. 150 (Lower Pilcomayo);

Holland, t. c. p. 211 (Estancia Espartilla); *Jones, Nov List Chilian B.* p. 11 (1892); *Aplin, Ibis*, 1894, pp. 207, 215 (Uruguay).

Gallinago longirostris, *Cuvier, in Mus. Paris*; *Bp. C. R.* xliii. p. 579 (1856).

Gallinago frenata (part.), *Gray, Hand-l. B.* iii. p. 53, no. 10338 (1871).

Gallinago frenata (*nec Licht.*), *Durnf. Ibis*, 1876, p. 164 (Buenos Ayres, Oct. 15; ♀ breeding).

Gallinago paraguayæ, *Salvin, Cat. Strickl. Coll.* p. 607 (1882).

Scolopax frenata magellanica, *Seebohm, Ibis*, 1880, p. 138; *id. Geogr. Distr. Charadr.* p. 496 (1888).

Scolopax frenata chilensis, *Seebohm, Geogr. Distr. Charadr.* p. 496 (1888).

Adult male. Similar to *G. delicata*, but with the outer tail-feathers narrower and having five distinct bars; the outer or first secondaries not exceeding the longest primary-coverts in length; the greater coverts very broadly barred with rufous and dusky brown; "feet and toes pale yellow; iris almost black" (*T. Withington*). Total length 10·5 inches, culmen 2·6, wing 5, tail 2, tarsus 1·25.

Adult female. Similar to the male. Total length 10·5 inches, culmen 2·8, wing 5·25, tail 2·2, tarsus 1·3.

The general aspect of this species is more sandy-coloured and paler than in most of the American Snipes, and it can be easily recognized by the proportions of its secondary-quills in comparison with the length of the primary-coverts. I have been unable to find any characters for the separation of *Gallinago chilensis* of Seebohm. Although the Chilian birds appear somewhat larger and heavier, it will be seen from the measurements of the wing, given in the list of specimens, that there is no great difference in the length of the wing in eastern and western birds.

Hab. Amazonia, from Pará south throughout Brazil to Patagonia and the Falkland Islands. Bolivia and Chili, from Tarapacá to the Straits of Magellan.

a. Ad. sk. [w. 4·8].	Pará.	R. Graham, Esq. [P.].
b. Ad. sk. [w. 4·8].	Pernambuco (*W. A. Forbes*).	Salvin-Godman Coll.
c. ♂ ad. sk. [w. 4·8].	Rio de Janeiro.	Alexander Fry, Esq. [P.].
d. ♀ ad. sk. [w. 5·3].	Lomas de Zamora, Buenos Ayres, May 3 (*T. Withington*).	Sclater Coll.
e. Ad. sk. [w. 5·1].	Monte Video, Aug.	H. Durnford, Esq. [P.].
f. ♂ ad. sk. [w. 5·1].	Bahia Blanca, March (*Capt. Harrison*).	Seebohm Coll.
g. Ad. st.	Falkland Islands.	Sir W. Burnett and Admiral Fitzroy [P.].
h. Ad. sk. [w. 4·9].	Falkland Islands (*C. Darwin*).	Gould Coll.

i. Ad. sk. [w. 4·7].	Falkland Islands (*C. Darwin*).	Salvin-Godman Coll.
k. ♂ ad. sk. [w. 5·4].	Falkland Islands, July 24 (*J. Macgillivray*).	Voy. H.M.S. 'Rattlesnake.'
l, *m*. ♂ ♀ ad. sk. [w. 5·1–5·2].	Falkland Islands.	Voy. H.M.S. 'Challenger.'
n, *o*. ♂ ♀ ad. sk. [w. 5·0–5·2].	Falkland Islands (*R. MacCormick*).	AntarcticExpedition.
p. Imm. sk. [w. 5·1].	Port Louis, Falkland Islands.	AntarcticExpedition.
q, *r*. Ad. sk. [w. 9·5].	Berkley Sound, East Falkland Islands.	AntarcticExpedition.
s. ♂ ad. sk. [w. 5·3].	Stanley, Falkland Islands, Jan.	Seebohm Coll.
t, *u*. Ad. sk. [w. 5·1–5·2].	Straits of Magellan.	The Admiralty.
v. Ad. sk. [w. 5·1].	Straits of Megellan.	Sir W. Burnett and Admiral Fitzroy [P.].
w. ♀ ad. sk. [w. 5·2–5·3].	Porto Bueno, Straits of Magellan, January 9.	Voy. H.M.S. 'Challenger.'
x. ♀ ad. sk. [w. 5·4].	Cockle Cove, Straits of Magellan, Feb. 7.	Dr. Coppinger [C.].
y. Ad. st.	Chili.	Purchased.
z–*c'*. Ad. sk. [w. 5·25–5·45].	Chili.	Seebohm Coll.
d'. Ad. sk. [w. 5·35].	Chili.	T. Bridges, Esq. [P.].
e'. ♀ ad. sk. [w. 5·3].	Coquimbo, Chili (*Dr. Coppinger*).	Voy. H.M.S. 'Alert.'
f'–*h'*. Ad. sk. [w. 5·2–5·3].	Province of Santiago.	Salvin-Godman Coll.
i', *k'*. ♂ ad. sk. [w. 5·3–5·5].	Province of Santiago, July.	Seebohm Coll.
l'. Ad. st.	Valparaiso.	Sir W. Burnett and Admiral Fitzroy [P.].
m'. Ad. sk. [w. 5·2].	Cordillera.	Old Coll.
n'. Ad. sk. [w. 5·2].	Maldonado (*C. Darwin*).	Voy. H.M.S. 'Beagle.'
o'. ♀ ad. sk. [w. 5·3].	Maldonado, July 16 (*Capt. Harrison*).	Seebohm Coll.
p'–*u'*. ♂ ad. [w. 5·2–5·3]; *v'*. ♀ ad. [w. 5·3]; *w'*, *x'*. Juv. sk.	Tarapacá, April, July to Oct. (*A. A. Lane*).	Berkeley James Coll.
y'. Ad. sk. [w. 5·3].	Bolivia.	Salvin-Godman Coll.

11. Gallinago australis.

New Holland Snipe, *Lath. Gen. Syn. Suppl.* ii. p. 310 (1801).

Scolopax australis, *Lath. Ind. Orn. Suppl.* p. lxv (1801); *Gould, B. Austr.* vi. pl. 40 (1848); *Sturt, Exp. Centr. Austr.* ii. App. p. 50 (1849: Valley of the Mypunga); *Reichenb. Vög. Neuholl.* p. 193, no. 523 (1850); *Diggles, Orn. Austr.* ii. pl. 100. fig. 1 (1877); *Ramsay, Proc. Linn. Soc. N. S. W.* i. p. 219 (1877); *Seebohm, Geogr. Distr. Charad.* p. 473 (1888); *id. B. Japan. Emp.* p. 342 (1890).

Scolopax hardwickii, *J. E. Gray, Zool. Misc.* p. 16 (1831 : **Tasmania**).

Gallinago australis, *Gray, List Grall. Brit. Mus.* p. 111 (1844: Tasmania; Upper Hunter River); *id. Gen. B.* iii. p. 583 (1846); *Licht. Nomencl. Av. Mus. Berol.* p. 93 (1854: Australia); *Bp. C. R.* xliii. p. 579 (1856); *Blakist. Ibis*, 1863, p. 100 (Hakodadi); *Schl. Mus. Pays-Bas*, Scolopaces, p. 10 (1864: Australia); *Gould, Handb. B. Austr.* ii. p. 271 (1865); *Ramsay, Ibis*, 1866, p. 334 (Port Denison); *Whitely, Ibis*, 1867, p. 226 (Hakodadi); *Gray, Hand-l. B.* iii. p. 52, no. 10331 (1871); *Swinh. Ibis*, 1874, p. 163 (Hakodadi, May); *Ramsay, Proc. Linn. Soc. N. S. W.* i. p. 190 (1877); *id. P. Z. S.* 1877, p. 339 (N.E. Queensland); *id. Proc. Linn. Soc. N. S. W.* ii. p. 108 (1878); *Blakist. & Pryer, Ibis*, 1878, p. 222 (Japan); *Seebohm, Ibis*, 1879, p. 26 (Hakodadi); *Ridgw. Proc. U.S. Nat. Mus.* iv. p. 331 (1882); *Blakist. & Pryer, B. Japan*, p. 114 (1882: Fuji, June, July, breeding); *Salvin, Cat. Strickl. Coll.* p. 607 (1882: N. S. W.); *Jouy, Proc. U.S. Nat. Mus.* vi. p. 316 (1883: Japan); *Blakist. Amended List B. Japan*, pp. 12, 37 (1884); *Seebohm, Ibis*, 1884, p. 133 (Japan); *Ramsay, Proc. Linn. Soc. N. S. W.* (2) ii. p. 172 (1888: Derby, N.W. Australia); *id. Tab. List Austr. B.* p. 20 (1888: Australia generally & Tasmania); *Sharpe, Ibis*, 1888, p. 203 (Palawan); *North, Proc. Linn. Soc. N. S. W.* (2) iii. p. 1778 (1889: Cumberland, N. S. W.); *Cox & Hamilton, op. cit.* iv. p. 420 (1890: Mudgee Distr., Sept. to Feb.); *Legge, Proc. Austr. Assoc.* 1892, p. 7.

Telmatias (Scolopax) australis, *Reichenb. Grall.* tab. cccl v. figs. 2786–87 (1850).

Adult male. Similar to *G. gallinago*, but a larger and stouter bird, the general tone of the stripes and markings of the upper surface being of a dark sandy isabelline, rather than rufous; this is especially the case with the feathers of the hinder neck, and the paler colour on the scapulars causes the black to stand out conspicuously, and imparts a strongly mottled appearance to the upper surface. The tail-feathers are 18 in number, the two outer ones attenuated, but not less than 0·3 inch in width. The flanks are not so closely barred as in *G. gallinago*, and the under tail-coverts are pale rufescent, not so rufous as in the last-named species: "basal half of bill yellowish olive, the remainder dark brown; legs yellowish tinged with olive; iris dark brown" (*J. Gould*). Total length 11·5 inches, culmen 2·7, wing 6·5, tail 2·6, tarsus 1·85.

Adult female. Similar to the male. Total length 11·5 inches, culmen 2·7, wing 6, tail 2·3, tarsus 1·4.

Hab. Breeding in Japan, and passing in winter by Formosa to Australia and Tasmania.

a–c. Ad. sk.	Hakodadi, Japan, April, Aug., Sept.	Tweeddale Coll.
d. Ad. sk.	Hakodadi, May (*T. Blakiston*).	Seebohm Coll.
e, f, g, h. Ad. sk.	Yokohama (*Pryer & Snow*).	Seebohm Coll.
i. Ad. sk.	Yokohama, April (*Snow*).	Tweeddale Coll.
k. Ad. sk.	Formosa (*R. Swinhoe*).	Seebohm Coll.
l, m. ♂ ♀ ad. sk.	Australia.	Seebohm Coll.
n. Ad. sk.	Australia.	Tweeddale Coll.
o. Ad. sk.	Australia.	Gould Coll.

p, *q*. Ad. sk.	Australia.	J. B. Jukes, Esq. [P.].
r, *s*. Ad. sk.	Cape York (*Cockerell & Thorpe*).	Seebohm Coll.
t, *u*. Ad. sk.	Queensland (*J. T. Cockerell*).	Salvin-Godman Coll.
v, *w*. Ad. sk.	Queensland (*J. T. Cockerell*).	Seebohm Coll.
x. ♀ ad. sk.	Moreton Bay (*F. Strange*).	Jardine Coll.
y, *z*. Ad. sk.	New South Wales.	Australian Museum [P.].
a'. Ad. sk.	Upper Hunter River, N.S.W.	J. Gould, Esq. [C.].
b'. Ad. sk.	Sydney, N. S. W.	Seebohm Coll.
c', *d'*. ♂ ♀ ad. sk.	Dandenong Range, Victoria, Nov., Dec. (*A. von Hügel*).	Seebohm Coll.
e'. Ad. sk.	Gipps' Land Lakes, Victoria (*Marshall*).	Seebohm Coll.
f'. Ad. sk.	South Australia.	Gould Coll.
g'. Ad. sk.	Tasmania.	J. Gould, Esq. [C.].
h'. Ad. sk.	Tasmania.	General Hardwicke [P.]. (Type of *Scolopax hardwickii*, J. E. Gray.
i'. Ad. sk.	Tasmania.	Hume Coll.
k'. ♀ ad. sk.	Tasmania, Feb.	Seebohm Coll.

12. Gallinago solitaria.

Gallinago solitaria, *Hodgs. Gleanings in Science*, iii. p. 238 (1831: Nepal); *id. P. Z. S.* 1836, p. 8; *id. J. A. S. Beng.* vi. p. 491 (1837); *id. Icon. ined in Brit. Mus., Grall.* pl. 104, App. pl. 48, nos. 547, 548; *id. in Gray's Zool. Misc.* p. 86 (1844); *Gray, List Grall. Brit. Mus.* p. 110 (1844); *id. Gen. B.* iii. p. 583 (1846); *id. Cat. Mamm. &c. Nepal pres. Hodgs.* p. 141 (1846); *Blyth, Cat. B. Mus. As. Soc.* p. 272 (1849: Darjiling); *Licht. Nomencl. Av. Mus. Berol.* p. 93 (1854: Nepal); *Adams, P. Z. S.* 1859, p. 189 (Cashmere); *Swinh. Ibis*, 1866, p. 66 (Amoy); *Blakist. Ibis*, 1862, p. 331 (Japan); *Swinh. P. Z. S.* 1863, p. 313 (Amoy); *Jerd. B. Ind.* iii. p. 673 (1864); *Schl. Mus. Pays-Bas*, Scolopaces, p. 15 (1864); *Beavan, Ibis*, 1868, p. 392 (Sikhim, Oct.); *Swinh. P. Z. S.* 1871, p. 407 (Pekin); *Gray, Hand-l. B.* iii. p. 53, no. 10343 (1871); *Blanf. J. A. S. Beng.* xli. p. 73 (1872: Sikhim); *Hume & Henders. Lahore to Yark.* p. 286 (1873: Chagra stream near Pangong Lake, 15,000 ft.); *David & Oust. Ois. Chine*, p. 476, pl. 122 (1877); *Swinh. Ibis*, 1877, p. 146 (Yokohama); *Blakist. & Pryer, Ibis*, 1878, p. 222 (Japan); *Prjev. in Rowley's Orn. Misc.* iii. p. 91 (1878: S.E. Mongolia; Northern Tibet, 12,000 ft.; Kansu; Kokonor, Feb.); *Hume, Str. F.* viii. p. 112 (1879); *Scully, t. c.* p. 353 (Nepal Valley); *Hume & Marshall, Game B. Ind.* iii. p. 333, cum tab. (1880); *Biddulph, Ibis*, 1881, p. 95 (Gilgit); *Scully, t. c.* p. 588; *Salvin, Cat. Strickl. Coll.* p. 608 (1882); *Blakist. & Pryer, List B. Japan*, p. 114 (1882); *Ridgw. Proc. U.S. Nat. Mus.* iv. p. 331 (1882); *Swinh. Ibis*, 1882, p. 121 (Khelat); *Jouy, Proc. U.S. Nat. Mus*, vi. p. 317 (1883: Japan, Nov., Dec.); *C. H. T. Marshall, Ibis*, 1884, p. 424 (Chamba); *Blakist. Amended List B. Japan*, p. 12 (1884); *Seebohm, Ibis*, 1886, p. 129; *Scully, J. A. S. Beng.* lvi. p. 87 (1887: Afghanistan); *Hume, Str. F.* xi. p. 319 (1888: Manipur); *St. John, Ibis*, 1889, p. 176 (Afghanistan); *Sharpe, Rep. 2nd Yark. Miss.* p. 144 (1891: Tanksi, Sept.;

Sanju, Nov.); *Seebohm*, *Ibis*, 1891, p. 378 (Western Szechuen); *Styan*, *l. c.* pp. 330, 504 (Lower Yantgse).

Scolopax hyemalis, *Eversmann*, *Bull. Soc. Mosc.* xviii. pt. 1, p. 257 (1845: Altai Mountains); *Severtz. Turkest. Jevoln.* p. 69 (1873: breeding); *Dresser*, *Ibis*, 1876, p. 330 (Turkestan).

Scolopax (Gallinago) solitaria, *Temm. & Schl. Faun. Jap., Aves*, p. 112, tab. lxviii. (1847).

Scolopax solitaria, *Middend. Reis. Sibir., Zool.* p. 223 (1851: Stanovoi Mts.); *Radde*, *Reis. Sibir., Vog.* p. 334 (1863: Bureja Mts.); *Dyb. J. f. O.* 1868, p. 338 (Darasun); *Tacz. J. f. O.* 1873, p. 104; *Seebohm*, *Geogr. Distr. Charadr.* p. 475 (1888); *id. B. Japan. Emp.* p. 342 (1890).

Spilura solitaria, *Bp. C. R.* xliii. p. 579 (1856); *Heine & Reichen. Nomencl. Mus. Hein.* p. 331 (1890: Nepal).

Spilura japonica, *Bp. C. R.* xliii. p. 579 (1856).

Gallinago hyemalis, *Bp. C. R.* xliii. p. 579 (1856); *Tacz. Bull. Soc. Zool. France*, i. p. 256 (1876); *id. Bull. Soc. Zool. France*, viii. p. 340 (1883: Kamtchatka); *Dyb. & Tacz. op. cit.* ix. p. 147 (1884); *Boyd. Consp. Ac. Imp. Ross.* p. 102 (1884); *Stejn. Bull. U.S. Nat. Mus.* no. 29, p. 316 (1885: Kamtchatka); *Tacz. P. Z. S.* 1888, p. 459 (Corea); *id. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 253 (1893).

Gallinago japonica, *Gray*, *Hand-l. B.* iii. p. 53, no. 10348 (1871); *Swinh. Ibis*, 1873, p. 304 (Shanghai, Feb.).

Scolopax solitaria japonica, *Seebohm*, *Ibis*, 1883, p. 129; *Stejn. Proc. U.S. Nat. Mus.* x. p. 129 (1887: Usuri); *Seebohm*, *Geogr. Distr. Charadr.* p. 476 (1888); *id. B. Japan. Emp.* p. 343 (1890).

Adult male in breeding-plumage. General colour above rufous brown and black, the markings arranged principally as irregular bars not always complete, the scapulars broadly margined with white, forming longitudinal streaks down the upper surface; lower back and rump barred with dull rufous and black, the lateral feathers white, barred with black; the upper tail-coverts dull earthy brown with whitish tips, but with scarcely any remains of dusky bars; wing-coverts brown, more or less distinctly tipped with white and crossed with irregular bars of rufous and black, especially on the inner median and greater coverts, the remainder of the greater series dark ashy brown with very little remains of white tips or rufous bars; primary-coverts blackish, narrowly edged with white at the tips; quills dusky brown, with white fringes at the ends of the feathers, the primaries margined with white, the first primary with the outer edge white with faint remains of brown mottlings, the inner secondaries barred with dull rufous and black; the central tail-feathers black, with a broad sub-terminal bar of rufous, followed by a narrow line of black before a whitish tip; the outer feathers very narrow, not more than 0·1 inch broad, white crossed by four black bars, which are sometimes connected on the outermost feathers; crown of head dusky blackish, spotted with rufous, and having a median line of white down the crown; eyebrow white, reaching to the nape, where it becomes narrower and indistinct; a broad loral spot of brown continued in a line to the eye; sides of face and ear-coverts whitish, broadly streaked with dusky

brown; the hinder ear-coverts crossed by a line of dark brown and tipped with chestnut; hind-neck rather more rufescent and scarcely mottled at all with dusky; cheeks and upper throat white; lower throat, fore-neck, and chest earthy brown, the feathers edged with white; the chest somewhat barred with dusky brown; remainder of under surface white, barred with dusky brown on the sides of the body and breast; the abdomen uniform and the under tail-coverts with only a few broken bars; under wing-coverts and axillaries white, barred with dusky brown, the white bars of the axillaries being broader than the dark ones: "bill plumbeous, black at tip, base of lower mandible yellowish brown; feet dull olive or pale yellowish green, the soles yellowish; claws horny black; iris dark brown" (*J. Scully*). Total length 11 inches, culmen 2·9, wing 6·3, tail 2·3, tarsus 1·3.

Adult female. Similar to the male. Total length 11 inches, culmen 2·8, wing 6, tail 2·5, tarsus 1·3.

The slight differences which Mr. Seebohm puts forward for the separation of the Japanese bird from that of the Himalayas appear to me to be no more than might be expected from the variation due to age or season; and I cannot see any valid reason for separating two forms of the Solitary Snipe. The amount of freckling on the outer web of the first primary seems to be certainly a question of age, the younger birds having this feather more mottled than old ones.

Hab. Breeding in Japan and North-eastern Siberia, westwards to the Altai Mountains, the Himalayas, in fact throughout the greater part of its range. Migrating to the lower valleys in the hills in winter, at which season it is also found in China.

a. Ad. sk.	Alai Plateau.	St. George Littledale, Esq. [P.].
b. ♂ ad. sk.	Ferghana, Turkestan, Jan. 17.	Seebohm Coll.
c. Ad. sk.	Kashgar, Jan. 22, 1874 (*F. Stoliczka*).	Second Yarkand Mission.
d. Ad. sk.	Sanju Pass, Nov. 1, 1873 (*F. Stoliczka*).	Second Yarkand Mission.
e. Ad. sk.	Ladak (*Capt. Strachey*).	India Museum.
f. ♂ ad. sk.	Ladak, Sept. 18.	Colonel Biddulph [C.].
g. ♀ ad. sk.	Ladak, Sept. 18 (*J. Biddulph*).	Tweeddale Coll.
h. Ad. sk.	Leh.	Tweeddale Coll.
i. ♀ ad. sk.	Shagra, Oct. 8 (*G. Henderson*).	Hume Coll.
k. Ad. sk.	Kulu (*Major Hay*).	Gould Coll.
l, *m*, *n*. Ad. sk.	Cashmere, Aug., Oct. (*W. E. Brooks*).	Hume Coll.
o. Ad. sk.	Chumbla, Kotegurh, March 15.	Hume Coll.
p. ♀ ad. sk.	Syree, Feb. 2 (*F. Thompson*).	Hume Coll.
q. Ad. sk.	Simla.	Hume Coll.
r. Ad. sk.	Near Simla (*A. Anderson*).	Hume Coll.
s, *t*. Ad. sk.	Afghanistan (*Griffith*).	India Museum.
u, *v*. Ad. sk.	Masuri, Oct.	Hume Coll.
w–*a'*. Ad. sk.	Nepal.	Hodgson Coll.
b'. Ad. sk.	Nepal (*B. H. Hodgson*).	India Museum.

c'. ♂ ad.; *d'*, *e'*. ♀ ad. ak.	Nepal Valley, Nov., Dec. (*J. Scully*).	Hume Coll.
f'–o'. Ad. ak.	Native Sikhim, Nov. to Feb., April (*L. Mandelli*).	Hume Coll.
p'–r'. Ad. ak.	Sikhim, Oct. (*L. Mandelli*).	Hume Coll.
s'. Ad. ak.	Darjiling, Dec. 23.	Seebohm Coll.
t'. Ad. ak.	Darjiling.	Tweeddale Coll.
u'. Ad. ak.	Darjiling.	Hume Coll.
v'. ♀ ad. ak.	Shillong, Assam, Oct. 20 (*J. Cockburn*).	Hume Coll.
w'. Ad. ak.	India.	General Hardwicke [P.].
x', *y'*, *z'*. ♂ ad. ak.	Nardju-gol, N. Thibet, Jan. (*Prjevalsky*).	Seebohm Coll.
a''. ♀ ad. ak.	Mouth of Amur River, Nov. 6 (*Dörries*).	Seebohm Coll.
b'', *c''*. ♂ ad. ak.	Shanghai, Feb. 26 (*R. Swinhoe*).	Seebohm Coll.
d''. Ad. st.	Japan.	Mr. H. Whitely [C.].
e''. ♀ ad. ak.	Japan.	Professor Milne [C.].
f''. Ad. ak.	Yeddo (*C. McVean*).	Tweeddale Coll.
g''. Ad. ak.	Hakodadi (*H. Whitely*).	Seebohm Coll.
h''. ♂ ad. ak.	Sapporo, Jan. 27 (*T. Blakiston*).	Seebohm Coll.
i''. Ad. ak.	Kobe, Nov. 16.	C. Maries, Esq. [C.].
k''–o''. Ad. ak.	Yokohama, Jan. (*T. Blakiston & H. Pryer*).	Seebohm Coll.

13. Gallinago nemoricola.

Scolopax gallinago (*nec Linn.*), *Hodgs. Gleanings in Science*, iii. p. 240 (1831: Nepal).

Gallinago nemoricola, *Hodgs. P. Z. S.* 1836, p. 8; *id. J. A. S. B.* vi. p. 490 (1837); *id. Icon. ined. in Brit. Mus., Grall.* pls. 96 *b*, 97, 98, nos. 540, 541; *id. in Gray's Zool. Misc.* p. 86 (1844); *Gray, List Grall. Brit. Mus.* p. 110 (1844); *id. Gen. B.* iii. p. 583 (1846); *id. Cat. Mamm. etc. Nepal pres. Hodgs.* p. 141 (1848); *Blyth, Cat. B. Mus. As. Soc.* p. 272 (1849: Simla; Darjiling); *Licht. Nomencl. Av. Mus. Berol.* p. 93 (1854: Nepal); *Adams, P. Z. S.* 1858, p. 506 (Cashmere); *Irby, Ibis*, 1861, p. 241 (Kumaon); *Jerd. B. Ind.* iii. p. 672 (1864); *Schl. Mus. Pays-Bas*, Scolopaces, p. 16 (1864: Nepal); *Gray, Hand-l. B.* iii. p. 53, no. 10341 (1871); *Holdsw. P. Z. S.* 1872, p. 473; *Hume & Davison, Str. F.* vi. p. 459 (1878: Malewoon); *Hume, Str. F.* viii. p. 112 (1879); *Scully, t. c.* p. 353 (Nepal Valley); *Legge, B. Ceylon*, p. 814 (1880); *Hume & Marshall, Game Birds Ind.* iii. p. 326, cum tab. (1880); *Butler, Str. F.* ix. p. 428 (1881: S. Mahratta Country); *Reid, Str. F.* x. p. 66 (1881: Lucknow); *Salvin, Cat. Strickl. Coll.* p. 608 (1883); *Oates, Handb. B. Brit. Burm.* ii. p. 385, note (1883); *Davison, Str. F.* x. p. 413 (1883: Nilghiris); *C. H. T. Marshall, Ibis*, 1884, p. 424 (Chamba); *Hume, Str. F.* xi. p. 318 (1883: Manipur); *Oates ed. Hume's Nests & Eggs Ind. B.* iii. p. 350 (1890).

Nemoricola nepalensis, *Bp. C. R.* xliii. p. 579 (1856); *Heine & Reichen. Nomencl. Mus. Hein.* p. 331 (1890: Himalayas).

Scolopax nemoricola, *Jerd. Ill. Ind. Orn.* pl. ix. (1847); *Nevill, J. A. S. Beng.* (*Ceylon Branch*) 1867-70, p. 138 (Ceylon); *Seebohm, Geogr. Distr. Charadr.* p. 474 (1888).

Adult. Size large. Colour very dark; the black on the head and back very intense and pronounced, and the mesial streak along the centre of the crown almost obsolete; the sandy markings and streaks on the upper surface very broad and dull in tint; the lower back and rump dusky blackish, with narrow bars of dull white or dusky brown; the upper tail-coverts earthy brown, with a few dusky spots or dusky bars on the lateral ones; the black spots on the side of the face and neck rather large and coarse; the buff colour of the throat and neck of a dull sandy brown, with dusky-blackish streaks on the throat and bars on the chest, these being continued over the breast, abdomen, and sides of the body; the under tail-coverts very broadly barred; under wing-coverts and axillaries dusky brown, with narrow bars of dull white: "terminal third of bill brown to blackish brown, the basal two-thirds much paler, and with a tinge sometimes reddish fleshy, sometimes yellowish fleshy, sometimes livid, sometimes drab; front of legs and toes grey, sometimes (perhaps commonly) bluish, sometimes more plumbeous or slaty, and sometimes with a drabby shade, or again greenish; the back of the legs and soles fleshy, sometimes bluish or dusky; iris hazel or deep brown" (*A. O. Hume*). Total length 10·5 inches, culmen 2·65, wing 5·7, tail 2·1, tarsus 1·5.

Hab. Himalayas and hills of the Indian Peninsula, Assam and Burma.

a, b. Ad. sk.	India.	India Museum.
c. Ad. sk.	India.	Dr. Wallich [P.].
d. Ad. sk.	India.	Gould Coll.
e. Ad. st.	India.	General Hardwicke [P.].
f. Ad. sk.	Dhurmsala, Oct.	Hume Coll.
g. Ad. sk.	Kalsi, Dehra Dhoon, Feb. 2 (*G. King*).	Hume Coll.
h. Ad. sk.	40 miles N.W. of Lakhipur, Jan. 4.	Hume Coll.
i. Ad. sk.	Nepal.	Seebohm Coll.
k–n. Ad. sk.	Nepal.	Hodgson Coll. (Types of the species.)
o, p. Ad. sk.	Nepal (*B. H. Hodgson*).	India Museum.
q. Ad. sk.	Darjiling (*Eccles*).	Salvin-Godman Coll.
r. Ad. sk.	Khasia Hills (*Griffith*).	India Museum.
s. ♂ ad. sk.	Shillong, Assam, Oct. 24 (*J. Cockburn*).	Hume Coll.
t. Ad. sk.	Khasia Hills (5000 ft.), Sept.	Hume Coll.
u, v. Ad. sk.	Maymyo, 30 miles E. of Mandalay, 3000 ft., Jan., March (*A. E. English*).	E. W. Oates, Esq. [P.].
w. Ad. sk.	Madras, Nov. 5.	Hume Coll.
x. Ad. sk.	Shevaroy Hills, Dec. 28 (*H. R. P. Carter*).	Hume Coll.

14. Gallinago gigantea.

Scolopax gigantea, *Temm. Pl. Col.* v. pl. 403 (1826: *ex Nattere MSS.*); *Burm. Th. Bras.* iii. p. 376 (1856: Lagoa Santa); *Pel.*

Orn. Bras. pp. 312, 458 (1871: Ytararé, Jan., Feb., April; Delgada, Aug.; Jaguaraiba, Sept.; Murumgaba, April; Ypanema, Sept.; Puritis, Oct.).

Gallinago gigantea, *Gray, Gen. B.* iii. p. 583 (1846); *Schl. Mus. Pays-Bas*, Scolopaces, p. 8 (1864); *Scl. & Salv. Exotic Orn.* p. 196 (1869); *Gray, Hand-l. B.* iii. p. 53, no. 10340 (1871); *Scl. & Salv. Nomencl. Av. Neotr.* p. 145 (1873); *Allen, Bull. Amer. Mus.* v. p. 149 (1893: Matto Grosso).

Telmatias gigantea, *Reichenb. Grall.* tab. lxix. fig. 504 (1850).

Gallinago lacunosa, *Licht. Nomencl. Av. Mus. Berol.* p. 93 (1854: Montevideo; Paraguay).

Xylocota gigantea, *Bp. C. R.* xliii. p. 579 (1856).

Scolopax undulata gigantea, *Seebohm, Ibis*, 1888, p. 131; *id. Geogr. Distr. Charadr.* p. 493 (1888).

Adult. The largest of the Snipes. The lower back and rump, as well as the greater coverts, very distinctly barred with black; the quills narrowly barred with buffy white or sandy buff, irregular in pattern towards the ends; tail-feathers rufous, narrowly barred with black. Total length 19 inches, culmen 3·15, wing 6·6, tail 2·1, tarsus 2·2.

Hab. Brazil and Paraguay.

a. ♂ ad. sk.	Puritis, Brazil, Oct. 8 (*J. Natterer*).	Salvin-Godman Coll.
b. Ad. sk.	Villa Rica, Paraguay, June 1862.	N. L. Holden, Esq. (P.)
c, *d*. Ad. sk.	Buenos Ayres, April 1880.	Seebohm Coll.

15. Gallinago undulata.

Becasse des Savanes de Cayenne, *D'Aubent. Pl. Enl.* viii. pl. 895.

La Bécasse des Savanes, *Buff. Hist. Nat. Ois.* viii. p. 481 (1780).

Scolopax undulata, *Bodd. Tabl. Pl. Enl.* p. 54 (1783); *Seebohm, Ibis*, 1888, p. 131; *id. Geogr. Distr. Charadr.* p. 492 (1888).

Savanna Woodcock, *Lath. Gen. Syn.* iii. pt. 1, p. 132 (1785: Cayenne).

Scolopax paludosa, *Gm. Syst. Nat.* i. p. 661 (1788); *Cab. in Schomb. Reis. Guiana*, iii. p. 758 (1848).

Homoptilura undulata, *Gray, List Gen. B.* p. 70 (1840).

Gallinago undulata, *Gray, Gen. B.* iii. p. 583 (1846); *Scl. & Salv. Ex. ic Orn.* p. 196 (1869); *Gray, Hand-l. B.* iii. p. 53, no. 10339 (1871); *Scl. & Salv. Nomencl. Av. Neotr.* p. 145 (1873); *Salvin, Ibis*, 1881, p. 179 (British Guiana).

Telmatias paludosa, *Reichenb. Grall.* tab. lxix. fig. 502 (1850).

Gallinago paludosa, *Licht. Nomencl. Av. Mus. Berol.* p. 93 (1854: Guiana; Cayenne); *Schl. Mus. Pays-Bas*, Scolopaces, p. 8 (1864: Cayenne).

Xylocota undulata, *Bp. C. R.* xliii. p. 579 (1856).

Adult female. Distinguished by its large size. Of the same group as *G. gallinago* and *G. delicata*, with a light streak down the centre of the crown, but very much larger. The lower back, rump, and upper tail-coverts, as well as the coverts and secondaries, very distinctly barred with black. All the quills with more or less

perfect narrow bars of sandy buff, very distinct on the secondaries. Total length 14 inches, culmen 4·1, wing 6·5, tail 2, tarsus 1·7.

Hab. Apparently confined to Guiana.

a. ♂ ad.; *b*, *c*. ♀ ad. sk.	Merumé Mts., British Guiana, July (*H. Whitely*).	Salvin-Godman Coll.
d. ♀ ad. sk.	Roraima, British Guiana, Jan. 3 (*H. Whitely*).	Seebohm Coll.

16. Gallinago stricklandi.

Gallinago stricklandi, *Gray, List Grall. Brit. Mus.* p. 112 (1844: Hermit Isl.); *id. Gen. B.* iii. p. 583 (1846); *Schl. Mus. Pays-Bas*, Scolopaces, p. 15 (1864); *Scl. & Salv. Exotic Orn.* p. 196 (1869); *Gray, Hand-l. B.* iii. p. 54, no. 10349 (1871); *Scl. & Salv. Nomencl. Av. Neotr.* p. 145 (1873); *Sharpe, P. Z. S.* 1881, p. 15 (Swallow Bay); *Ridgw. Proc. U.S. Nat. Mus.* iv. p. 202 (1881); *Oust. Miss. Sci. Cap Horn, Ois.* p. 293 (1891); *James, New List Chilian B.* p. 12 (1892).

Scolopax stricklandi, *Gray, Voy. 'Erebus' & 'Terror,' Birds*, pl. 23 (1846); *Sharpe, t. c.* App. p. 37 (1875); *Seebohm, Ibis*, 1886, p. 130; *id. Geogr. Distr. Charadr.* p. 448 (1888).

Scolopax meridionalis, *Peale, U.S. Expl. Exped.* p. 229 (1848: Orange Bay); *Cass. t. c.* 2nd ed. p. 310, pl. 35. fig. 1 (1858).

Telmatias stricklandi, *Reichenb. Grall.* tab. lxx. fig. 998 (1850).

Scolopax spectabilis, *Hartl. Naumannia*, 1853, p. 216 (Valdivia).

Xylocota stricklandi, *Bp. C. R.* xliii. p. 579 (1856).

Gallinago paludosa (*nec Gm.*), *Scl. P. Z. S.* 1867, pp. 332, 339 (Chili).

Gallinago nobilis (*nec Scl.*), *Oust. Miss. Sci. Cap Horn*, vi. *Ois.* p. B 126 (1891: Orange Bay).

Adult male. Of large size and pale tawny colour, with the usual black markings of an ordinary Snipe; the pale streaks along the scapulars and sides of the back not very strongly indicated; a pale tawny-buff streak down the centre of the crown; primary-coverts and primaries plain brown, with slight indications of sandy-buff spots or fringes at the tips, the first primary brown externally, with regular chequered indentations of pale buff; the secondaries broadly barred with rufous and black, the black bars being the narrower, the inner greater coverts also broadly barred externally with rufous; tail regularly barred with black and dull rufous, the black bars being the broadest, the centre feathers for the most part black; under surface of body sandy buff, whiter on the chin; the abdomen uniform buff, the throat spotted, the chest mottled and imperfectly barred, and the flanks regularly banded with black, the under tail-coverts also barred with blackish; the under wing-coverts and axillaries barred with dusky brown and sandy buff, the brown bars being slightly the broadest. Total length 13·5 inches, culmen 3·35, wing 6, tail 2·3, tarsus 1·4.

Adult female. Similar to the male, but slightly smaller: "feet greyish yellow; iris dark" (*Dr. Coppinger*). Total length 11·5 inches, culmen 3·3, wing 6·1, tail 2·1, tarsus 1·3.

Hab. The Straits of Magellan to Chili.

a. Ad. ak.	Tierra del Fuego.	Sir W. Burnett and Admiral Fitzroy [P.].
b. ♂ ad. ak.	S. Martin's Cove, Hermit Ld., (*Dr. McCormick*).	Antarctic Expedition.
c. ♀ ad. ak.	Swallow Bay, Straits of Magellan, March 14 (*Dr. Coppinger*).	Salvin-Godman Coll.
d. Ad. ak.	Puerto Bueno, Straits of Magellen.	Seebohm Coll.
e. Ad. ak.	Isthmus Bay, Straits of Magellan.	J. E. Harting, Esq. [P.].

17. Gallinago jamesoni.

Xylocota jamesoni, *Bp. C. R.* xli. p. 660 (1855), xliii. p. 579 (1856).

Gallinago, sp., *Scl. P. Z. S.* 1860, p. 82 (Ecuador).

Gallinago jamesoni, *Scl. & Salv. Exotic Orn.* p. 196 (1869); *Gray, Hand-l. B.* iii. p. 54, no. 10350 (1871); *Scl. & Salv. Nomencl. Av. Neotr.* p. 145 (1873); *iid. P. Z. S.* 1879, p. 641 (Bolivia); *Tacz. & Berl. P. Z. S.* 1885, p. 112 (Chimborazo, April); *Tacz. Orn. Pérou*, iii. p. 376 (1886); *Tristr. Cat. B.* p. 11 (1889: Quito).

Scolopax jamesoni, *Seebohm, Ibis*, 1886, p. 130; *id. Geogr. Distr. Charadr.* p. 489 (1888).

Adult male. Similar to *G. stricklandi*, but whiter underneath, and with the bars continued over the abdomen and lower breast; the under tail-coverts sometimes uniform sandy buff, or white with dusky bars. The general colour of the upper surface is greyer than in *G. stricklandi*, and from the latter species it can always be told by the colour of the outer tail-feathers, which are dusky brown with a few broad greyish-brown bars on the inner webs, whereas in *G. stricklandi* the outer tail-feathers have *both* webs barred with tawny rufous and black: "iris brown" (*F. A. Simons*). Total length 12 inches, culmen 3·4, wing 6·3, tail 2·2, tarsus 1·5.

Hab. From Colombia to Ecuador and Bolivia.

a. ♂ ad. ak.	Sierra Nevada, U.S. Colombia, Aug. 18 (*F. A. Simons*).	Salvin-Godman Coll.
b. Ad. ak.	Andes of Quito, Ecuador.	J. Gould, Esq.
c. Ad. ak.	Andes of Quito, Ecuador (*Jameson: Jardine Coll.*).	Seebohm Coll. (Type of species.)
d. ♂ ad. ak.	Parza, Chimborazo, Ecuador, Jan. (*L. Fraser*).	Salvin-Godman Coll.
e. Ad. ak.	Illutincara, Bolivia, 12,000 ft. (*C. Buckley*).	Salvin-Godman Coll.

18. Gallinago aucklandica.

Gallinula aucklandica, *Gray, List Gen. Birds, Mus.* p. 112 (1844); *id. Voy. Erebus & Terror*, p. 13, pl. 13 (1846); *id. Gen. B.* iii. p. 583 (1849); *id. Hand-l. B.* iii. p. 54, no. 10347 (1871); *Sharpe, App. Voy. Erebus & Terror, Birds*, p. 20, pl. 13 (1875); *Buller, B. New Zeal* ii. p. 32 (1888); *Rothschild, Bull. B. O. Club*, iii. no. xiii. p. xii (1893).

Scolopax holmesii, *Peale, U.S. Expl. Exped.* p. 229 (1848: Auckland Is.).

Cænocorypha aucklandica, *Gray, Cat. Gen. & Subgen. B.* p. 119 (1855); *Bp. C. R.* xliii. p. 579 (1856).

Scolopax aucklandica, *Cass. U.S. Expl. Exped.* p. 311 (1858); *Seebohm, Ibis*, 1886, p. 130, pt.; *id. Geogr. Distr. Charadr.* p. 472, pt. (1888).

Gallinago tristrami, *Rothschild, Bull. Brit. Orn. Club*, iii. no. xiii. p. xii (1893: Antipodes Island); *Buller, Trans. N. Z. Inst.* xxvii. p. 113 (1895)

Adult (type of species). General colour above sandy brown, mottled with dark brown streaks on the hind-neck, and with sub-terminal heart-shaped black spots on the mantle and scapulars, the latter having pale sandy-buff margins, which form indistinct lines down each side of the back; wing-coverts nearly uniform reddish brown, with dull sandy margins, and slight indications of sub-terminal blackish or dark brown spots, more distinct on the inner greater coverts and innermost secondaries; bastard-wing, primary-coverts, and quills uniform dusky brown, with narrow whitish fringes at the tips, the first primary not paler along the outer web, the inner secondaries reddish brown towards the ends and freckled with dusky; lower back, rump, and upper tail-coverts sandy rufous, with scarcely any dusky mottling; tail-feathers dusky brown, with slight indications of narrow rufous bars near the ends of the centre ones; the outer feathers very narrow, dusky brown, slightly rufescent along the outer web and whitish along the inner one, which shows slight traces of dusky barring; crown of head nearly uniform dark brown, the lateral bands on the crown very broad and slightly tinged with rufous, and the pale central streak very ill-defined; lores and sides of face and throat dull isabelline, the sides of the face spotted with dark brown; from the base of the bill to the eye a narrow streak of reddish brown, and another passing diagonally across the cheeks and ear-coverts; remainder of under surface of body isabelline buff, the lower throat and fore-neck streaked with rufous, which takes the form of horse-shoe markings on the chest and sides of the body; under wing-coverts greyish white with dusky bases, the lower primary-coverts and quill-lining uniform dusky brown; axillaries barred with greyish white and dull brown. Total length 8·5 inches, culmen 2·35, wing 4·2, tail 1·4, tarsus 1·1.

Young. Appears to differ from the adults only in having the upper breast and the sides of the body more minutely spotted with dusky brown, instead of having horseshoe-shaped markings. The wing-coverts are also much more distinctly spotted with blackish.

Mr. Walter Rothschild has kindly allowed me to examine his large series of the Auckland Island Snipes and their allies. I find that the type of his *G. tristrami*, from Antipodes Island, is a rufous specimen of the true Auckland Island form, though at first sight it looks very distinct. Since he first described the species, however, Mr. Rothschild has received several more specimens from Antipodes Island, and he now agrees with me that *G. tristrami* cannot be separated specifically from *G. aucklandica*.

Hab. Auckland Islands; Antipodes Island; Snares Islands.

a, *b*, *c*. Ad. sk. [w. 4·1–4·2, c. 2·0–2·4].	Auckland Islands.	Antarctic Exped. [C.]. (Types of species.)
d, *e*. Ad. sk. [w. 4·1–4·25, c. 2·0–2·2].	Auckland Islands.	Sir George Grey [P.].
f. Juv. sk. [w. 4·0, c. 1·8].	Auckland Islands.	Sir George Grey [P.].
g. Ad. sk. [w. 4·1, c. 2·3].	Auckland Islands.	Colonel Bolton [P.].
h. Ad. sk. [w. 4·0, c. 2·15].	Auckland Islands.	Seebohm Coll.
i. ♀ ad. sk. [w. 4·1, c. 2·35].	Auckland Islands.	Salvin-Godman Coll.
k. Ad. sk.	Enderby Island, Auckland gr up, Dec. 3 (*R. McCormick*).	McCormick Bequest.

Subsp. *a*. Gallinago huegeli.

Gallinago aucklandica (*nec Gray*), *Hugel*, *Ibis*, 1875, p. 391 (Snares Isl.).

Scolopax aucklandica (pt.), *Seebohm*, *Ibis*, 1880, p. 130; *id. Geogr. Distr. Charadr.* p. 472 (1884).

Gallinago huegeli, *Tristram*, *Bull. Brit. Orn. Club*, i. no. ix. p. xlvii (1893; Snares Isl.); *id. Ibis*, 1893, p. 447; *Buller*, *Trans. New Zeal. Inst.* xxvii. p. 112 (1895).

Adult male. Similar to *G. aucklandica*, but altogether darker and having the under surface regularly barred with blackish, not only on the flanks but also on the breast and abdomen. The upper surface is also remarkable for the narrow sandy-buff fringes to the feathers, which have the black sub-terminal spots very small. Total length 9 inches, culmen 2·25, wing 4·3, tail 1·7, tarsus 0·9.

This is a well-marked race, a kind of "Sabine's Snipe" form, as Mr. Rothschild aptly calls it, of *G. aucklandica*. It is the prevalent form on the Snares, but in the Rothschild collection there are also three specimens from the Auckland Islands and one from Antipodes Island.

Hab. Snares Island.

a. ♂ ad. sk.	Snares Island, Jan.	Hon. Walter Rothschild [P.].

Subsp. *β*. Gallinago pusilla *.

Gallinago pusilla, *Buller*, *Ibis*, 1869, p. 41 (Chatham Isl.); *Hutton*, *Ibis*, 1872, p. 247 (Maungare, Chatham Isl.); *Travers*, *Trans.*

---

* GALLINAGO CHATHAMICA.

Gallinago chathamica, Forbes, Ibis, 1893, p. 545 (Chatham Isl.).

The skulls on which Dr Forbes founded the present species seem to belong to a distinct form of Snipe from any of those inhabiting the Chatham or Auckland Islands at the present day. It was apparently a larger bird than any of them.

a–*b*. Skulls.	Chatham Island.	Forbes' Coll. (Types of the species.)

N. Zeal. Inst. v. p. 217 (1873: Mangare); *Sharpe, App. Voy. Erebus & Terror, Birds*, p. 30 (1875); *Buller, B. New Zeal.* 2nd ed. ii. p. 33, pl. xxviii. fig. 1 (1888); *Forbes, Ibis*, 1893, p. 529, pl. xiv. figs. 1, 2 (eggs), pl. xv. fig. 1 (pull.) (Chatham Isl.); *Buller, Trans. New Zeal. Inst.* xxvii. p. 112 (1895).

Gallinago aucklandica (*nec Gray*), *Buller, B. New Zeal.* p. 196 (1873).

Scolopax aucklandica (pt.), *Seebohm, Ibis*, 1886, p. 130; *id. Geogr. Distr. Charadr.* p. 472 (1888).

Adult male. Similar to *G. aucklandica*, but smaller, darker, with coarser markings, especially as regards the spotting on the throat and chest. The chief distinction seems to be in the whiter breast and abdomen: "feet pale yellow; iris pale yellow" (*W. Hawkins*). Total length 7·5 inches, culmen 1·8, wing 3·9, tail 1·3, tarsus 0·8.

Adult female. Similar to the male. Total length 7·5 inches, culmen 1·7, wing 3·8, tail 1·3, tarsus 0·85.

Young. As in *G. aucklandica*, the young birds can be distinguished from the adults by the less distinct black mottling on the upper surface and on the throat, and by the smaller size of the dusky spots on the chest and sides of the body: "feet bluish grey" (*W. Hawkins*).

Nestling. Nearly uniform rufous brown, with a little dusky mottling, and a dusky line along the centre of the crown; the throat rufous brown; the rest of the under surface of the body somewhat paler; the sides of the face and region of the eye dull silvery grey.

This is the smallest of the Antipodean Snipes, and is distinguished by its smaller bill and whiter belly. It apparently does not occur anywhere but in the Chatham Islands.

Hab. Chatham Islands.

a, *b*, *c*. ♂ ad. sk. [w. 3·85–3·95, c. 1·65–1·75].	S.E. Island, Chatham Isl., May (*W. Hawkins*).	Forbes' Coll.
d. ♂ juv.; *e*, *f*, *g*. Pull. sk.	S.E. Island, Chatham Isl., May (*W. Hawkins*).	Forbes' Coll.
h, *i*. ♂ ♀ ad. sk. [w. 3·8, c. 1·7–1·75].	S.E. Island, Chatham Isl., May (*W. Hawkins*).	Seebohm Coll.
k. Ad. sk [w. 4·1, c. 1·8].	Chatham Islands (*H. Travers*).	Seebohm Coll.

19. Gallinago imperialis.

Gallinago imperialis, *Scl. & Salv. P. Z. S.* 1869, p. 419 (Bogotá); *iid. Exotic Orn.* p. 193, pl. xcvii. (1869); *Gray, Hand-l. B.* iii. p. 54, no. 10351 (1871); *Scl. & Salv. Nomencl. Av. Neotr.* p. 145 (1873); *Ridgw. Proc. U.S. Nat. Mus.* iv. p. 202 (1881).

Scolopax imperialis, *Seebohm, Ibis*, 1886, p. 130; *id. Geogr. Distr. Charadr.* p. 491 (1888).

Adult (type of species). General colour above dark chestnut, streaked on the neck and banded on the back and wing-coverts with black; no light edgings to the scapulars, so that there are no longitudinal streaks down the sides of the back; the bands some-

what wavy and very broad; bastard-wing, primary-coverts, and quills uniform blackish brown, the inner secondaries banded with rufous and black like the inner greater coverts; tail-feathers blackish brown, barred with rufous on the centre ones, the outer ones narrowed and perfectly uniform blackish; sides of the crown blackish brown, with a rufous streak along the centre; sides of face, throat, and chest chestnut, with black spots on the sides of the face and a black band below the eye, the throat broadly streaked and the breast barred with black; the lower breast, abdomen, sides of body, and under tail-coverts white, broadly barred with black; under wing-coverts and quill-lining uniform blackish brown, the axillaries blackish with a few narrow white bars. Total length 11 inches, culmen 3·5, wing 6, tail 1·95, tarsus 1·3.

Hab. U.S. Colombia.

a. Ad. ♂. Bogotá, U.S. Colombia. Salvin-Godman Coll. (Type of species.)

71. LIMNOCRYPTES.

Type.

Limnocryptes, *Kaup, Natürl. Syst.* p. 118 (1829)..... L. gallinula.
Philolimnos, *Brehm, Vog. Deutschl.* p. 623 (1831) .... L. gallinula.
Ascalopax, *Keys. & Blas. Wirb. Eur.* p. lxxvii (1840) . L. gallinula.

Range. The same as that of the single species of the genus.

1. Limnocryptes gallinula.

The Jack-Snipe or Jud-cock, *Albin, Nat. Hist. B.* iii. p. 81, pl. 86 (1840).

La Petite Becassine, *Briss. Orn.* v. p. 303, pl. xxvi. fig. 2 (1760) *D'Aubent. Pl. Enl.* viii. pl. 884; *Buff. Hist. Nat. Ois.* vii. p. 490 (1780).

Scolopax gallinula, *Linn. Syst. Nat.* i. p. 244 (1766); *Gm. Syst. Nat.* i. p. 662 (1788); *Bechst. Orn. Taschenb.* p. 281, cum tab. (1803); *Meyer & Wolf. Orn. Taschenb.* p. 364 (1810); *Pall. Zoogr. Rosso-Asiat.* ii. p. 175 (1811); *Vieill. N. Dict. d'Hist. Nat.* iii. p. 350 (1816); *Temm. Man. d'Orn.* ii. p. 678 (1820); *Werner, Atlas, Grall.* pl. 31 (1827); *Fleming, Brit. Anim.* p. 108 (1828); *Rennie, Orn. Prov.* pl. 382 (1825); *Less. Traité d'Orn.* p. 556 (1831); *Jenyns, Man. Brit. Vertebr.* p. 206 (1835); *Strickl. P. Z. S.* 1836, p. 101 (Smyrna); *Naum. Vog. Deutschl.* viii. p. 344, pl. 210 (1836); *Gould, B. Eur.* iv. pl. 322 (1837); *Crespon, Orn. Gard.* p. 444 (1840); *Nordm. in Demid. Voy. Russ. Mérid.* iii. p. 251 (1840: Odessa); *Schl. Rev. Crit.* p. lxxxvi (1844); *Hewitt. Eggs Brit. B.* ii. p. 340, pl. lxxxvi. fig. 3 (1846); *Thomps. B. Irel.* ii. p. 278 (1850); *Middend. Reise Sibir., Zool.* p. 224 (1851: Boganida River, 70° N. lat., June, breeding); *Macgill. Brit. B.* iv. p. 380 (1852); *Kjærb. Dansm. Fugle*, Taf. 37. fig. 4 (1852); *Schl. Vog. Nederl.* pl. 223 (1854); *Saunders. Sc. Fugl* pl. 44. fig. 4 (1859); *Taylor, Ibis*, 1859, p. 53 (Egypt); *Powys, Ibis*, 1860, p. 343 (Lemnian Islands); *F. & P. Godman, Ibis*, 1861, p. 80 (Baldo); *Radde, Reis. Sibir., Voy.* p. 338 (1863); *Wright, Ibis*, 1864, p. 147 (Malta); *Sperling, l. c.* p. 288; *Smith, Ibis*, 1866, p. 465 (Portugal); *Stevens. B. Norf.* ii. p. 334 (1870); *R. Gray, B. West Scotl.* p. 313 (1871); *Severtz. Turkest. Jerotn.* p. 69 (1873); *Palmén, Finl. Fogl.* p. 241 (1873); *Saxby, B. Shetl.* p. 205 (1874);

Danf. & Harvie-Brown, Ibis, 1875, p. 423 (Transylvania); *Fallon, Ois. Belg.* p. 180 (1875); *Dresser, Ibis*, 1876, p. 330 (Turkestan); *Danford, Ibis*, 1878, p. 33 (Asia Minor); *Bogd. B. Cauc.* p. 163 (1879); *Seebohm, Ibis*, 1882, p. 224 (Astrakhan), p. 382 (Archangel); *id. Ibis*, 1883, p. 31 (Caucasus); *Bogd. Consp. Av. Imp. Ross.* p. 105 (1884); *Booth, Rough Notes*, ii. (1881–87); *Seebohm, Hist. Brit. B.* iii. p. 247 (1885); *id. Geogr. Distr. Charadr.* p. 480 (1888); *Lilford, Ibis*, 1889, p. 340 (Cyprus); *Seebohm, B. Japan. Emp.* p. 344 (1890); *Gätke, Vogelw. Helgol.* p. 506 (1891); *Seebohm, Ibis*, 1892, p. 24 (Heligoland); *Lilford, Col. Fig. Brit. B.* part xxx. (1895).

Jack Snipe, *Luth. Gen. Syn.* iii. pt. 1, p. 136 (1785); *Yarrell, Brit. B.* ii. p. 611 (1843); *Smith, Zool.* 1872, p. 2924 (Guernsey, Nov.); *Graham, B. Iona & Mull*, p. 232 (1890).

Scolopax stagnatilis, *Bechst. Naturg. Deutschl.* iv. p. 623 (1801).

Scolopax minor, *Bechst. tom. cit.* p. 624.

Gallinago minima, *Leach, Syst. Cat. Mamm. &c. Brit. Mus.* p. 31 (1816: Wiltshire); *Stephens in Shaw's Gen. Zool.* xii. p. 57 (1824); *Sykes, P. Z. S.* 1832, p. 163 (Deccan).

Limnocryptes gallinula, *Kaup, Natürl. Syst.* p. 118 (1829); *Reichenb. Grall.* tab. lxix. figs. 560–561 (1850); *Bp. C. R.* xliii. p. 579 (1856); *Gould, B. Gt. Brit.* iv. pl. 80 (1865); *Loche, Expl. Sci. Algér., Ois.* ii. p. 208 (1867); *Swinh. P. Z. S.* 1871, p. 407 (Formosa); *B. O. U. List Brit. B.* p. 167 (1883); *Whitehead, Ibis*, 1885, p. 42 (Corsica); *Reid, t. c.* p. 253 (Morocco); *Salvad. Elenco Ucc. Ital.* p. 233 (1886); *St. John, Ibis*, 1889, p. 176 (S. Afghanistan); *Heine & Reichen. Nomencl. Mus. Hein.* p. 331 (1890); *Tacz. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 904 (1893).

Philolimnos gallinula, *Brehm, Vög. Deutschl.* p. 623 (1831).

Philolimnos stagnatilis, *Brehm, tom. cit.* p. 623.

Philolimnos minor, *Brehm, tom. cit.* p. 624.

Gallinago gallinula, *Bp. Comp. List B. Eur. & N. Amer.* p. 52 (1838); *Selys-Longch. Faun. Belge*, p. 130 (1842); *Hodgs. Icon. ined. in Brit. Mus., Grall.* pl. 105, no. 608; *id. in Gray's Zool. Misc.* p. 86 (1844); *Gray, List Grall. Brit. Mus.* p. 112 (1844); *id. Gen. B.* iii. p. 583 (1846); *id. Cat. Mamm. &c. Nepal pres. Hodgs.* p. 141 (1846); *Blyth, Cat. B. Mus. As. Soc.* p. 272 (1849); *Licht. Nomencl. Av. Mus. Berol.* p. 93 (1854); *Adams, P. Z. S.* 1858, p. 506, 1859, p. 189 (Cashmere); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 482 (1859); *Tristr. Ibis*, 1860, p. 79 (Algerian Sahara); *Irby, Ibis*, 1861, p. 241 (Oudh); *Gray, Cat. Brit. B.* p. 174 (1863); *Swinh. P. Z. S.* 1862, p. 314; *Jerd. B. Ind.* iii. p. 676 (1864); *Schl. Mus. Pays-Bas*, Scolopaces, p. 14 (1864); *Whitely, Ibis*, 1867, p. 206 (Hakodadi); *Degl. et Gerbe, Orn. Eur.* ii. p. 185 (1867); *Beavan, Ibis*, 1868, p. 393 (Barrackpur); *Doderl. Avif. Sicil.* p. 196 (1869); *Elwes & Buckley, Ibis*, 1870, p. 331 (Turkey); *Fritsch, Vög. Eur.* Taf. 37. fig. 9 (1870); *Gray, Hand-l. B.* iii. p. 53, no. 10342 (1871); *Salvad. Faun. Ital., Ucc.* p. 228 (1871); *Meves, Œfv. K. Vet.-Akad. Förh. Stockh.* 1871, p. 778 (N.W. Russia); *Gurney, Ibis*, 1871, p. 299 (Algeria); *Harting, Handb. Brit. B.* p. 52 (1872); *Holdsw. P. Z. S.* 1872, p. 473 (Ceylon); *Shelley, B. Egypt*, p. 249 (1872); *Hume, Str. F.* i. p. 235 (1873: Sind); *Adam, t. c.* p. 395 (Sambhur); *Heugl. Orn. N.O.-Afr.* ii. Abth. i. p. 1206 (1873); *Brooke, Ibis*, 1873, p. 340 (Sardinia); *Durnf. Ibis*, 1874, p. 400 (N. Frisian Is.); *Irby, Orn. Straits Gibr.* p. 174 (1875); *Butler, Str. F.* iv. p. 15

(1876: Mount Aboo distr.); *Fairb. t. c.* p. 263 (Khandala); *Blanf. East. Persia*, ii. p. 283 (1876); *Wharton, Ibis*, 1876, p. 27 (Corsica); *Dresser, B. Eur.* vii. p. 653, pl. 544 (1877); *Butler, Str. F.* v. p. 232 (1877: Deesa); *Fairb. t. c.* p. 410 (Palani Hills); *David et Oust. Ois. Chine*, p. 479 (1877); *Hume & Davison, Str. F.* vi. p. 450 (1878: Tenasserim); *Blakiston & Pryer, Ibis*, 1878, p. 222 (Japan); *Davidson & Wenden, Str. F.* vii. p. 88 (1878: Deccan); *Bull. t. c.* p. 228 (Ganges to Godaveri); *Crimp, t. c.* p. 302 (Faridpur); *Butler, Cat. B. Sind etc.* p. 61 (1879); *Hume, Str. F.* viii. p. 112 (1879); *Scully, t. c.* p. 356 (Nepal Valley, Sept. to April); *Finsch, Verh. z.-b. Ges. Wien*, xxix. p. 254 (1879: Semipalatinsk); *Butler, Cat. B. S. Bomb. Pres.* p. 76 (1880); *Legge, B. Ceylon*, pp. 828, 1219 (1880); *Collett, Norges Fugle*, p. 80 (1881); *Blakist. & Pryer, B. Japan*, p. 115 (1882); *Seebohm, Ibis*, 1882, p. 121 (Afghanistan); *Salvin, Cat Strickl. Coll.* p. 608 (1882); *Gigl. Iconogr. Avif. Ital.* no. 308 (1882); *Saunders, ed. Yarrell's Brit B.* iii. p. 351 (1883); *Irby, Ibis*, 1883, p. 187 (Santander); *Oates, Hume's B. Brit. Burm.* ii. p. 384 (1883); *Blakist. Amended List B. Japan*, p. 12 (1884); *Tristr. Faun. & Flor. Pales.* p. 132 (1884); *Murray, Vertebr. Faun Sind*, p. 241 (1884); *Chapman, Ibis*, 1884, p. 98 (Spain); *Saunders, t. c.* p. 349 (Pyrenees); *Seebohm & Barnes, Ibis*, 1885, p. 134 (Mhow distr.); *Pleske, Uebers. Saug. u. Vog. Kola-Halb.* p. 340 (1886); *Giigl. Avif. Ital.* p. 400 (1886); *Harvie-Brown & Buckley, Vertebr. Faun. Caithn. etc.* p. 217 (1887: autumn visitor); *Backhouse, Ibis*, 1887, p. 74 (East Pyrenees); *Tait, t. c.* p. 389 (Portugal); *Harvie-Brown & Buckley, Vertebr. Faun. Outer Hebrides*, p. 131 (1888: winter); *Hume, Str. F.* xi. p. 321 (1888: Manipur); *Saunders, Man. Brit. B.* p. 559 (1889); *Giigl. Avif. Ital.*, 1st *Reuc.* p. 619 (1889), 2nd *Reuc.* p. 652 (1890), 3rd *Reuc.* p. 512 (1891); *Buckley & Harvie-Brown, Vertebr. Faun. Orkney Isl* p. 214 (1891: winter); *Madarász, Erlaut. Anast. Ungar. Vogelf.* p. 111 (1891); *Fricald-sky, Av. Hung.* p. 140 (1891); *Kœnig, J. f. O.* 1892, p. 80 (Tunis); *Hartert, Ibis*, 1892, p. 514 (East Prussia); *Harvie-Brown & Buckley, Vertebr. Faun. Argyll & Inner Hebrides*, p. 176 (1892); *Macpherson, Vertebr. Faun. Lakel.* p. 377 (1892); *Munn, Ibis*, 1894, p. 73 (Calcutta); *Whitaker, t. c.* p. 100 (Tunis); *Dubois, Faun. Ill. Vert. Bely., Ois.* ii. p. 231, pl. 210 (1894); *Martin & Rollin, Vertèbres Saur. l'Indre*, p. 202 (1894); *Reiser, Ornis Balcanica*, p. 164 (1894); *Irby, Orn. Straits Gibr.* 2nd ed. p. 279 (1895); *Peynt. Eggs Brit. B.* part iii. (1898).

Ascalopax gallinula, *Keys. & Blas. Wirb. Eur.* pp. lxxvii, 216 (1840); *Mühle, Beitr. Orn. Griechenl.* p. 107 (1844); *Landerm. Vog. Griechenl.* p. 144 (1860); *Borggr. Vogelf. Norddeutschl.* p. 118 (1869); *Taez. Bull. Soc. Zool. France*, i. p. 257 (1876); *id. op. cit.* ii. p. 158 (1877: Poland).

Telmatias gallinula, *Droste, Vogelw. Borkum*, p. 234 (1869); *Saunders, Ibis*, 1871, p. 389.

Adult male. General colour above black, with reflections of glossy green and purple, and a few rufous markings on the back, mostly in the form of streaks; the sides of the back ornamented with a longitudinal band of ochreous-buff from the sides of the mantle along the scapulars; a sandy-buff band, not so distinct, along the parapteral feathers and inner secondaries, being broken up by the

black and rufous markings of the feathers; lower back and rump uniform black; upper tail-coverts blackish, slightly freckled with rufous, with broad margins of ochreous buff; wing-coverts blackish, with pale rufescent margins, less distinct on the marginal series, which are almost uniform; the greater coverts uniform dusky brown, with pale fringes; bastard-wing, primary-coverts, and quills dusky brown, with slight white tips to the primary-coverts, the secondaries paler and more ashy at the tips, the long inner ones mottled like the scapulars; tail-feathers pointed, uniform dusky brown, with pale sandy-buff margins; crown of head and nape black, sparsely spotted with rufous and bordered by a broad superciliary band of sandy buff, the lores and feathers round the eye being blackish; cheeks and ear-coverts dull white, spotted with black, and having a black line along the upper cheeks; chin and upper throat white; sides of neck and hind-neck earthy brown, slightly mottled with blackish, and separating the head from the back; lower throat and fore-neck pale rufous-brown, spotted and streaked with black, the sides of the throat and flanks being similarly marked; breast, abdomen, and under tail-coverts pure white, the latter with a few dusky streaks; under wing-coverts ashy whitish, with dusky bars; axillaries pure white; lower primary-coverts and quill-lining dull ashy: "bill black at the tip, paler towards the end, more slaty horn-colour at the base of the lower mandible; feet pale olive-green; iris dark brown" (*E. A. Butler*). Total length 7·5 inches, culmen 1·6, wing 4·35, tail 1·9, tarsus 0·9.

Adult female. Similar to the male. Total length 7·5 inches, culmen 1·6, wing 4·1, tail 1·7, tarsus 0·75.

Winter plumage. Scarcely to be distinguished from the summer plumage, except by the greater amount of blackish mottling on the hinder neck and the generally more rufescent colour. The pale bands on the back are lighter, but soon fade with exposure, and wear the paler tints of the spring and summer dress.

Hab. Breeds apparently from the Atlantic to the Pacific, from the Dovrefjeld eastwards on the tundra. In winter it visits the Mediterranean, and in the east extends to the Indian Peninsula, China, and Formosa.

a, *b*. Ad. sk.	Great Britain.	Gould Coll.
c. ♂ ad. sk.	Island of Tiree, Jan. 16.	Colonel Irby [P.].
d, *e*. Ad. sk.	Whitehill, Midlothian, Dec. (*R. G. W. R.*).	Tweeddale Coll.
f. Ad. sk.	Stirlingshire, Nov. 9 (*R. G. W. R.*).	Tweeddale Coll.
g. ♂ ad.; *h*, *i*. ♀ ad. sk.	Lincolnshire, Sept. 5.	G. H. Caton Haigh, Esq. [P.].
k, *l*, *m*. Ad. sk.	Cambridgeshire.	Salvin-Godman Coll.
n. ♂ ad. sk.	Norwich, Sept. 20 (*J. E. Harting*).	Seebohm Coll.
o, *p*. Ad. st.	Epping, Essex.	H. Doubleday, Esq. [P.].
q, *r*, *s*. ♂ ad. sk.	Cookham, Berks, Oct., Nov. (*R. B. Sharpe*).	Tweeddale Coll.

t. Ad. sk.	Surrey (*F. Godman*).	Salvin-Godman Coll.
u. Ad. st.	Pagham, Sussex.	Dr. R. B. Sharpe [P.].
v. ♀ ad. sk.	Sussex, April 15 (*J. E. Harting*).	Seebohm Coll.
w. Ad. sk.	Wiltshire. (Type of *G. minima*, Leach.)	Montagu Coll.
x. ♀ ad. sk.	Pembrokeshire, Dec.	Rev. A. Morgan [P.].
y. Ad. sk.	Whitelens, Kildare, Ireland, Feb. (*J. E. H.*).	Seebohm Coll.
z. Ad. st.	Archangel (*Henke*).	Dr. R. B. Sharpe [P.].
a'. ♂ ad. sk.	Sweden, July (*H. Wheelwright*).	Gould Coll.
b', *c'*, *d'*. ♂ ad. sk.	Heligoland, Sept., Oct.	Seebohm Coll.
e', *f'*. Ad. sk.	Heligoland, Sept., Oct. (*R. B. S.*).	F. Nicholson, Esq. [P.].
g', *h'*. ♂ ♀ ad. sk.	Hungary, March.	Hungarian National Museum.
i'. ♂ ad. sk.	Silla, Valencia, Dec. 1 (*H. Saunders*).	Seebohm Coll.
k'. Ad. sk.	Tangiers.	Seebohm Coll.
l'. Ad. sk.	Italy (*E. W. Oates*).	Seebohm Coll.
m'. ♀ ad. sk.	Near Constantinople.	Seebohm Coll.
n'. ♂ ad. sk.	Egypt (*G. E. Shelley*).	Seebohm Coll.
o'. ♂ ad. sk.	Ispahan, Persia, April.	Sir O. St. John [C.].
p'. Ad. sk.	Saiar Mountains, Central Asia (8000 feet), Aug.	St. George Littledale, Esq. [P.].
q'. ♂ ad. sk.	Gulran, Northern Afghanistan, March (*J. E. Aitchison*).	Afghan Delimitation Commission.
r' ♀ ad. sk.	Candahar, Feb. 24 (*Sir O. St. John*).	Hume Coll.
s', *t'*. Ad. sk.	Pushut, Afghanistan (*Griffith*).	India Museum.
u'. ♀ ad. sk.	Upper Sind, Dec. 3 (*A. O. H.*).	Hume Coll.
v'. ♂ ad. sk.	Deesa, Sept. 25 (*E. A. Butler*).	Hume Coll.
w'. Ad. sk.	Kurnaul, Feb.	Hume Coll.
x'. ♀ ad. sk.	Sirsa, Punjab, Dec. 6 (*A. O. H.*).	Hume Coll.
y'–*b''*. ♂ ♀ ad. sk.	Etawah, Nov., Jan.	Hume Coll.
c''. Ad. sk.	Allyghur, Oct. 27.	Hume Coll.
d''. Ad. sk.	Oudh, Nov.	Hume Coll.
e''–*h''*. Ad. sk.	Nepal.	Hodgson Coll.
i'', *k''*. ♀ ad. sk.	Nepal Valley, Nov. (*J. Scully*).	Hume Coll.
l''. Ad. sk.	Darjiling (*Colonel Sharpe*).	Seebohm Coll.
m'', *n''*, *o''*. Ad. sk.	Khandeish, Dec., Feb. (*J. Davidson*).	Hume Coll.
p''. ♀ ad. sk.	W. of Chanda (*W. T. Blanford*).	Hume Coll.
q'', *r''*. Ad. sk.	Deccan (*Sykes*).	India Museum.
s''. ♀ ad. sk.	Belgaum, Nov. 7 (*E. A. Butler*).	Hume Coll.
t''. Ad. sk.	Dacca.	Hume Coll.

u''. Ad. sk.	Taiwan, Formosa, Dec. (*R. Swinhoe*).	Seebohm Coll.
*v''–b*³. Ad. sk.	Yokohama, Nov., Feb. (*H. Pryer & O. Snow*).	Seebohm Coll.
*c*³. ♀ ad. sk.	Hakodadi, Oct. 3 (*H. Whitely*).	Tweeddale Coll.

72. NEOSCOLOPAX.

	Type.
Neoscolopax, *Salvad. Ann. Mus. Genov.* xviii. p. 331 (1882).....	N. rochusseni.

Range. Confined to the Moluccas.

1. Neoscolopax rochusseni.

Scolopax rochusseni, *Schl. Nederl. Tijdschr. Dierk.* iii. p. 254 (1866); *Gray, Hand-l. B.* iii. p. 54, no. 10354 (1871); *Legge, B. Ceylon*, p. 808 (1880); *Seebohm, Ibis*, 1886, p. 128; *id. Geogr. Distr. Charadr.* p. 505, pl. xx. (1888); *Salvad. Agg. Orn. Papuasia etc.* iii. p. 205 (1891).

Neoscolopax rochusseni, *Salvad. Ann. Mus. Genov.* xviii. p. 331 (1882); *id. Orn. Papuasia etc.* iii. p. 336 (1882).

Adult. General colour above black, with large markings of rufous ochre, distributed as broad terminal spots or bars; the upper mantle entirely black in the centre; the lesser wing-coverts black, with a few small spots of rufous ochre, the median and greater series tipped and barred with rufous ochre; the bastard-wing, primary-coverts, and quills black, chequered with notches of rufous ochre on the outer web; the inner secondaries barred on the outer web and spotted on the inner web with the same colour; lower back and rump black, with small ochreous spots; the upper tail-coverts rufous ochre, broadly barred with black; tail-feathers black, notched with sandy rufous, principally near the end of the outer web, the tips of the feathers rufous ochre, smudged with ashy and silvery white below; forehead sandy buff, slightly freckled with blackish, and followed by a broad black band from eye to eye, another on the occiput, another on the nape, and another on the hind-neck, these broad bands separated by a narrow bar of sandy buff; a large loral space of ochraceous buff, with a broad band of black from the gape to the eye; sides of face and under surface of body ochreous buff, with a few black spots and bars on the former and a line of black across the ear-coverts; the sides of the body with black bars, more or less distinct; under wing-coverts rufous ochre, barred with black; lower primary-coverts and quill-lining black, notched with rufous ochre on the margin of both webs. Total length 15 inches, culmen 3·6, wing 7·6, tail 2·8, tarsus 1·8.

Hab. Obi Islands. Ternate?

a. Ad. sk.	[Ternate.]	Seebohm Coll.

73. SCOLOPAX.

	Type.
Scolopax, *Linn. Syst. Nat.* i. p. 242 (1766)	S. rusticula.
Rusticola, *Vieill. N. Dict. d'Hist. Nat.* iii. p. 348 (1816).	S. rusticula.

Range. Europe generally and Siberia, up to 60° or 65° N. lat., nesting also in the Himalayas, and in the Azores, Canaries, and Madeira. Wintering in the Mediterranean countries, the Indian Peninsula, Burma, and China. Occasionally straggling to North America. Mountains of Java and N.W. New Guinea.

Key to the Species.

a. Abdomen buff like the breast, and similarly barred with blackish; forehead ashy grey; primaries dusky blackish, with rufous notches..... *rusticula*, p. 671.

b. Abdomen white, with dusky bars; forehead rufous, barred with black; primaries black, almost uniform except for a few rufous dots on the outer webs; colour everywhere darker than in *S. rusticula* ..... *saturata*, p. 678.

1. Scolopax rusticula.

The Woodcock, *Albin, Nat. Hist.* i. p. 67, pl. 70 (1738); *Lath. Gen. Syn.* iii. pt. 1. p. 129 (1785); *Farrell, Brit. B.* ii. p. 583 (1843); *Graham, B. Iona & Mull*, p. 231 (1850).

La Becasse, *Briss. Orn.* v. p. 202 (1760); *D'Aubent. Pl. Enl.* viii. pl. 885.

Scolopax rusticola, *Linn. Syst. Nat.* i. p. 243 (1766); *Gm. Syst. Nat.* i. p. 660 (1788); *Bechst. Orn. Taschenb.* ii. p. 279 (1803); *Meyer & Wolf, Orn. Taschenb.* ii. p. 301 (1810); *Pall. Zoogr. Rosso-Asiat.* ii. p. 171 (1811); *Temm. Man. d'Orn.* p. 436 (1815); *Koch, Syst. baier. Zool.* p. 311 (1816); *Temm. Man. d'Orn.* ii. p. 673 (1820); *Werner, Atlas, Grall.* pl. 28 (1827); *Fleming, Brit. Anim.* p. 105 (1828); *Rowr, Orn. Prov.* pl. 299 (1830); *Hodgs. Gleanr. Sci.* iii. p. 223 (1831); *Ménétr. Cat. Rais. Cauc.* p. 51 (1832: Lenkoran); *Jenyns, Man. Brit. Vertebr.* p. 204 (1835); *Strickl. P. Z. S.* 1836, p. 110 (Smyrna); *Gould, B. Eur.* iv. pl. 319 (1837); *Bp. Comp. List B. Eur. & N. Amer.* p. 53 (1838); *Crespon, Orn. Gard.* p. 439 (1840); *Webb & Berth. Orn. Canar.* p. 39 (1841); *Selys-Longch. Faun. Belge*, p. 130 (1842); *Schl. Rev. Crit.* p. lxxxv (1844); *Hodgs. Icon. ined. in Brit. Mus., Grall.* pls. 100, 107, no. 548; *id. in Gray's Zool. Misc.* p. 86 (1844); *Gray, List Grall. Brit. Mus.* p. 109 (1844); *id. Gen. B.* iii. p. 584 (1846); *id. Cat. Mamm. &c. Nepal pres. Hodgs.* p. 141 (1846); *Hewitt. Eggs Brit. B.* ii. p. 303, pl. lxxxv. (1846); *Blyth, Cat. B. Mus. As. Soc.* p. 271 (1849: Calcutta; Nilghiris); *Thomps. B. Irel.* ii. p. 2.5 (1850); *Middend. Reis. Sibir., Zool.* p. 223 (1851: Stanovoi Mountains); *Harcourt, P. Z. S.* 1851, p. 142 (Madeira, breeding); *Kjærb. Danm. Fugle*, Taf. 37. fig. 1 (1851); *Schl. Vog. Nederl.* pl. 220 (1854); *Licht. Nomenel. Av. Mus. Berol.* p. 93 (1854); *Bolle, J. f. O.* 1855, p. 313 (Spain); *Bp. C. R.* xliii. p. 570 (1856); *Sunder. Sv. Fogl.* pl. 44. fig. 1 (1859); *Jaub. et Barth.-Lapomm. Rich. Orn.* p. 478 (1859); *Swinh. Ibis*, 1860, p. 60 (Amoy); *Powys, t. c.* p. 340 (Ionian Is.);

Linderm. Vög. Griechenl. p. 146 (1860); *Swinh. Ibis*, 1861, p. 56 (Hongkong); *F. & P. Godman, t. c.* p. 87 (Bödö); *Irby, t. c.* p. 241 (Oudh); *Scl. Ibis*, 1862, p. 284 (St. John's, New Brunswick, Jan. 9); *Swinh. Ibis*, 1863, p. 415 (Foochow); *Gray, Cat. Brit. B.* p. 175 (1863); *Radde, Reis. Sibir., Vog.* p. 333 (1863: Bureja Mountains, Aug.); *Nordm. J. f. O.* 1864, p. 375 (Finland and Lapland); *Wright, Ibis*, 1864, p. 147 (Malta); *Jerd. B. Ind.* iii. p. 670 (1864); *Gould, B. Gt. Brit.* iv. pl. 77 (1866); *Baird, Amer. Journ. Arts & Sci.* xli. p. 25 (1866: Newfoundland); *Lawr. Ann. Lyc. N. Y.* viii. p. 292 (1866: Rhode Isl., New Jersey); *Whitely, Ibis*, 1867, p. 205 (Hakodadi); *Baird, t. c.* p. 282 (Newfoundland); *Drake, t. c.* p. 428 (Tangier); *Loche, Expl. Sci. Algér., Ois.* ii. p. 299 (1867); *Collett, Norges Fugle*, p. 51 (1868); *Tristr. Ibis*, 1868, p. 327 (Palestine); *Beavan, t. c.* p. 391 (Thatone; Sikhim); *Smith, t. c.* p. 454 (Portugal); *Saunders, Ibis*, 1869, p. 173; *Dodert. Avif. Sicil.* p. 192 (1869); *Droste, Vogelw. Borkum*, p. 240 (1869); *Elwes & Buckley, Ibis*, 1870, p. 331 (Turkey); *Godman, Azores*, pp. 35, 41 (1870); *Stevens. B. Norf.* ii. p. 272 (1870); *Fritsch, Vög. Eur.* tab. 37. fig. 10 (1870); *Gray, Hand-l. B.* iii. p. 54, no. 10352 (1871); *Gurney, Ibis*, 1871, p. 299 (Algeria); *Saunders, t. c.* p. 389 (S. Spain); *R. Gray, B. West Scotl.* p. 308 (1871); *Salvad. Faun. Ital., Uce.* p. 226 (1871); *Godman, Ibis*, 1872, p. 220 (Madeira); *Taylor, t. c.* p. 232; *Harting, Handb. Brit. B.* p. 50 (1872); *Feilden, Zool.* 1872, p. 3249 (Faroes); *Coues, Key N. Amer. B.* p. 252 (1872); *Brooks, J. A. S. Beng.* xli. p. 86 (1872: Cashmere); *Meves, Œfv. K. Vet.-Akad. Förh. Stockh.* 1871, p. 777 (Archangel); *Shelley, B. Egypt*, p. 247 (1872); *Tacz. J. f. O.* 1873, p. 104; *Brooke, Ibis*, 1873, p. 340 (Sardinia); *Severtz. Turkest. Jevotn.* p. 69 (1873); *Saxby, B. Shetl.* p. 199 (1874); *Tacz. J. f. O.* 1874, p. 336; *Brooks, J. A. S. Beng.* xliii. p. 253 (1874: Cashmere); *Blyth, B. Burm.* p. 157 (1875); *Irby, Orn. Straits Gibr.* p. 177 (1875); *Anderson, Str. F.* iii. p. 356 (1875: Kemo, near Namick, 10,000 ft., breeding); *Wharton, Ibis*, 1876, p. 27 (Corsica); *Dresser, t. c.* p. 330 (Turkestan); *Blanf. East. Persia*, ii. p. 282 (1876); *Tacz. Bull. Soc. Zool. France*, i. p. 256 (1876); *Dresser, B. Eur.* vii. p. 615, pl. 540 (1877); *Swinh. Ibis*, 1877, p. 145 (Hakodadi); *Butler, Str. F.* v. pp. 140, 504 (1877: Sind); *Tacz. Bull. Soc. Zool. France*, ii. p. 158 (1877: Poland); *Fairb. Str. F.* v. p. 409 (1877: Palani Hills); *Prjev. in Rowley's Orn. Misc.* iii. p. 93 (1878: Muni-ul Mountains, April; Ussuri, breeding); *Blakist. & Pryer, Ibis*, 1878, p. 221 (Japan); *Hume & Davison, Str. F.* vi. p. 458 (1878: Tenasserim); *Ball, op. cit.* vii. p. 228 (1878: Jaipur); *Laird, t. c.* p. 470 (Belgaum); *Hume, t. c.* p. 483 (Calcutta); *Inverarity, t. c.* p. 525 (Tanna); *Hume, op. cit.* viii. p. 112 (1879); *Bingham, t. c.* p. 196 (Thoungyeen Valley); *Scully, t. c.* p. 353 (Nepal Valley); *Boyd. B. Cauc.* p. 160 (1879); *Finsch, Verh. z.-b. Ges. Wien*, xxix. p. 253 (1879); *Butler, Cat. B. Sind etc.* p. 61 (1879); *id. Cat. B. S. Bomb. Pres.* p. 75 (1880); *Legge, B. Ceylon*, p. 806 (1880); *Hume & Marshall, Game B. Ind.* iii. p. 309, cum tab. (1880); *Ridgw. Proc. U.S. Nat. Mus.* iv. p. 331 (1881); *Gigl. Iconogr. Avif. Ital.* no. 304 (1883); *Boyd. Consp. Av. Imp. Ross.* fasc. i. p. 102 (1884); *Radde, Orn. Cauc.* pp. 41, 388 (1884: 4000 ft., breeding); *Murray, Vertebr. Faun. Sind*, p. 238 (1884); *A. O. U. Check-list N. Amer. B.* p. 147 (1886); *Ridgw. Man. N. Amer. B.* p. 149 (1887); *Harvie-Brown & Buckley, Vertebr. Faun. Caithn. etc.* p. 216 (1887); *Lilford,*

Col. Fig. Brit. B. part vii. (1888); *Seebohm, Geogr. Distr. Charadr.* p. 502 (1888); *Hume, Str. F.* xi. p. 318 (1888: Manipur); *Irby, Key List Brit. B.* p. 46 (1888); *Harvie-Brown & Buckley, Vertebr. Faun. Outer Hebr.* p. 130 (1888); *St. John, Ibis*, 1889, p. 176 (Afghanistan); *Lilford, t. c.* p. 339 (Cyprus); *Seebohm, B. Japan. Emp.* p. 347 (1890); *Heine & Reichen. Nomencl. Mus. Hein.* p. 330 (1890); *Lilford, Col. Fig. Brit. B.* part xiv. (1890); *Madarász, Erlaut. Ausst. Ungar. Vogelf.* p. 111 (1891); *Frivaldszky, Av. Hung.* p. 150 (1891); *Gätke, Vogelw. Helgol.* p. 493 (1891); *Buckley & Harvie-Brown, Vertebr. Faun. Orkney Isl.* p. 211 (1891); *Fatio & Studer, Cat. distr. Ois. Suisse*, p. 46 (1892); *Koenig, J. f. O.* 1892, p. 89 (Tunis); *Harvie-Brown & Buckley, Vertebr. Faun. Argyll & Inner Hebr.* p. 171 (1892); *Tacz. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 949 (1893); *Dubois, Faun. Ill. Vert. Belg., Ois.* ii. p. 234, pl. 212 (1894); *Reiser, Ornis Balcanica*, p. 103 (1894).

La Bécasse, *Buff. Hist. Nat. Ois.* vii. p. 462, pl. 25 (1780).

Scolopax rusticula, *Budd. Tabl. Pl. Enl.* p. 53 (1783); *Naum. Vög. Deutschl.* viii. p. 301, pl. 211 (1837); *Keys. & Blas. Wirb. Eur.* pp. lxxviii, 217 (1840); *Nordm. in Demid. Voy. Russ. Mérid.* iii. p. 252 (1840); *Mühle, Beitr. Orn. Griechenl.* p. 108 (1844); *Reichenb. Grall.* tab. lxviii. figs. 552, 553 (1850); *Hartl. J. f. O.* 1854, p. 150 (Ceylon); *Bolle, J. f. O.* 1855, p. 176 (Canary Is.); *Schl. Dier. Nederl. Vogels*, pl. 22. figs. 4, 4*a* (1861); *id. Mus. Pays-Bas*, Scolopaces, p. 2 (1864); *Deyl. & Gerbe, Orn. Eur.* ii. p. 177 (1867); *Borggr. Vogelf. Norddeutschl.* p. 120 (1869); *Swinh. P. Z. S.* 1871, p. 407 (China, winter); *Holdsw. P. Z. S.* 1872, p. 472 (Ceylon); *Palmén, Finl. Fogl.* p. 228 (1873); *Heugl. Orn. N.O.-Afr.* ii. pt. 1, p. 1208 (1873); *Fallon, Ois. Belg.* p. 178 (1875); *David & Oust. Ois. Chine*, p. 475 (1877); *Danf. Ibis*, 1878, p. 33 (Asia Minor); *Seebohm, Ibis*, 1879, p. 26 (Hakodadi); *Wharton, t. c.* p. 454; *Ridgw. Proc. U.S. Nat. Mus.* iii. p. 109 (1880); *Collett, Norges Fuglef.* p. 86 (1881); *Butler, Str. F.* ix. p. 428 (1881: S. Mahratta country); *Biddulph, Ibis*, 1881, p. 95 (Gilgit); *Scully, t. c.* p. 588; *Blakist. & Pryer, B. Japan*, p. 113 (1882); *Swinhoe, Ibis*, 1882, p. 120 (Candahar), *Seebohm, t. c.* p. 224 (Astrakhan), p. 382 (Archangel); *Salvin, Cat. Strickl. Coll.* p. 63 (1882); *B. O. U. List Brit. B.* p. 165 (1883); *Jouy, Proc. U.S. Nat. Mus.* vi. p. 316 (1883: Japan); *Seebohm, Ibis*, 1883, p. 30 (Caucasus); *Irby, t. c.* p. 187 (Santander); *Booth, Rough Notes*, ii. pls. 58, 59 (1881-87); *Saunders, ed. Yarrell's Brit. B.* iii. p. 320 (1883); *Davison, Str. F.* x. p. 413 (1883: Nilgiris); *Oates, Handb. B. Brit. Burm.* ii. p. 380 (1883); *Seebohm, Ibis*, 1884, p. 267 (Central China); *Saunders, t. c.* p. 389 (Pyrenees); *C. H. T. Marshall, t. c.* p. 424 (Chamba); *Blakist. Annotated List B. Japan*, p. 11 (1884); *Tristr. Faun. & Flor. Palest.* p. 132 (1884); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 180 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 620 (1884); *Seebohm, Hist. Brit. B.* iii. p. 231 (1885); *Whitehead, Ibis*, 1885, p. 42 (Corsica); *Dixon, t. c.* p. 86 (St. Kilda); *Salvad. Fauna Vert. Ital.* p. 231 (1886), *Gigl. Avif Ital.* p. 402 (1886); *Scully, J. A. S. Beng* lvi. p. 87 (1887); *Backhouse, Ibis*, 1887, p. 72 (East Pyrenees), *Tait, t. c.* p. 388 (Portugal); *Tacz. P. Z. S.* 1888, p. 450 (Corea); *Saunders, Man. Brit. B.* p. 653 (1889), *Gigl. Avif Ital., 1st Resc.* p. 330 (1889), *2nd Resc.* p. 600 (1890), *3rd Resc.* p. 516 (1891); *Koenig, J. f. O.* 1890, p. 405 (Madeira); *Sharpe, Rep. 2nd York. Miss., Aves*, p. 143

(1891); *Styan, Ibis*, 1891, pp. 330, 504 (Lower Yangtse); *Seebo*
t. c. p. 378 (Western Szechuen); *Macpherson, Vertebr. Fa*
Lakel. p. 369 (1892); *Seebohm, Ibis*, 1892, p. 23 (Heligolan
De La Touche, t. c. p. 497 (Foochow and Swatow); *Hartert,*
p. 514 (E. Prussia); *Meade-Waldo, Ibis*, 1893, p. 204 (Can
Is.); *Styan, t. c.* p. 436 (Hainan); *Martin & Rollin., Vertéb*
Sauv. l'Indre, p. 198 (1894); *Irby, Orn. Straits Gibr.* 2nd
p. 276 (1895); *Poynt. Eggs Brit. B.* part i. (1895); *Sha*
Handb. Brit. B. iii. p. 295, pl. lxxxv. (1896).

Rusticola vulgaris, *Vieill. N. Dict. d'Hist. Nat.* iii. p. 673 (1816).

Scolopax major (*nec Gm.*), *Leach, Syst. Cat. Mamm. &c. Brit. M*
pp. 31, 32 (1816: Devonshire; Farringdon).

Scolopax pinetorum, *Brehm, Vög. Deutschl.* p. 613 (1831).

Scolopax sylvestris, *Brehm, tom. cit.* p. 614.

Rusticola europæa, *Less. Traité d'Orn.* p. 555 (1831).

Scolopax indicus, *Hodgs. J. A. S. Beng.* vi. p. 490 (1837).

Scolopax communis, *Selby, Cat. Gen. & Subgen. Aves*, p. 43 (1840

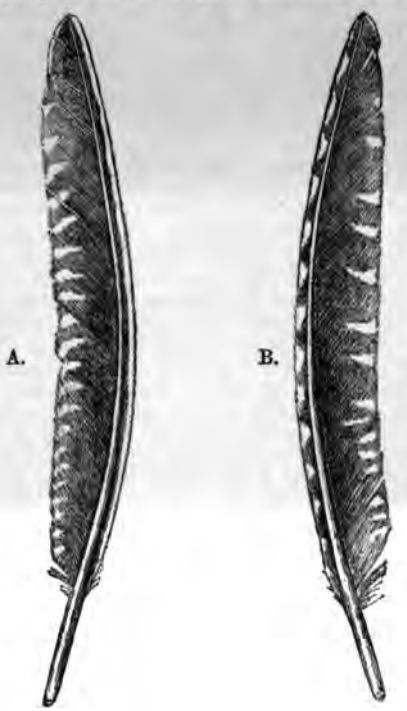
Rusticola sylvestris, *Macgill. Man. Brit. B.* ii. p. 105 (1842).

Scolopax torquata, *Brehm, Vogelf.* p. 304 (1855).

Scolopax orientalis, *Brehm, tom. cit.* p. 304.

Scolopax scoparia, *Bp. Orn. Rom.* 1820; *id. C. R.* xliii. p.
(1856).

Scolopax platyura, *Brehm*; *Bp. C. R.* xliii. p. 579 (1856).



A. First long primary of adult Woodcock.
B. First long primary of young bird.

Adult male. General colour above rufous, black, and grey, the whole aspect of the upper surface being mottled; the ground-colour rufous, the feathers freckled with coarse black cross-lines and with large terminal or sub-terminal spots of black; many of the feathers tipped with grey, which is distributed over the whole of the upper surface in spots and patches; the scapulars with dusky-greyish cross-bars, each bar with a blackish marking; wing-coverts more rufous than the back, the lesser coverts barred with black spots, the median and greater series with dusky-grey cross-markings composed of bars and twin spots, which have a narrow black line above and below, the inner coverts spotted with white or greyish white at the ends; bastard-wing, primary-coverts, and quills dusky brown, chequered with rufous notches on the outer web; the inner web, for the most part, uniform, except for some slight notches on the extreme inner margin; the notches on the outer webs of the first two primaries much paler and inclining to whitish, or, in old birds, almost disappearing, so that it becomes nearly uniform; the inner secondaries resembling the greater coverts and being barred across or having twin-spots of blackish or ashy brown, all the inner secondaries having an ashy-white spot at the end, and being largely marked with black in continuation of the pattern of the scapulars; lower back, rump, and upper tail-coverts rufous, with obsolete cross-markings of ashy brown; tail-feathers blackish brown, notched on the outer webs with rufous, and having a grey band at the tip, which is silvery white underneath; forehead, eyebrow, and sides of face ashy, with a few bars of dusky black, of which there is a spot at the base of the mandible as well as a blackish line from the base of the latter to the eye; the hinder crown principally black, mottled with rufous, and barred across with ashy or greyish-white bands; the hind-neck and sides of neck ashy grey, mottled with bars of dusky blackish; ear-coverts ashy, with a black bar across; the cheeks somewhat whiter and minutely spotted with black; chin white; remainder of under surface ashy white and barred with pale brown; the fore-neck, breast, and sides of body buff, the latter having light brown bars, edged above and below with blackish lines; under tail-coverts sandy buff, inclining to silvery white at the tips, the feathers barred with dusky black and having a sub-terminal arrow-shaped black spot; under wing-coverts and axillaries tawny buff, barred with blackish; lower primary-coverts and quill-lining ashy grey, notched with buff on the inner webs: bill dusky brown, livid at base of lower mandible; feet greyish; iris dark brown. Total length 15 inches, culmen 2·85, wing 7·5, tail 3·5, tarsus 1·55.

Adult female. Similar to the male. Total length 14 inches, culmen 3·2, wing 7·3, tail 2·9, tarsus 1·4.

Young birds. Differ from the adults in being darker and having creamy-whitish, instead of ashy, spots at the end of the dorsal and scapular feathers; the lower back, rump, and upper tail-coverts are plainly barred across with dusky brown, and the tail-feathers are not largely notched with sandy buff on their margins, but have a

narrow sub-terminal line of sandy buff between the ashy tip and the black of the rest of the feathers. The outer web of the primaries has a distinct series of fulvous notches.

Nestling. Covered with velvety down of a rufous colour, with a broad band of chestnut down the centre of the crown, and another down the centre of the back, with three broad transverse bands down the sides of the body; on each side of the crown and dorsal stripe a broad streak of isabelline; a black loral line and a central streak on the forehead also black; under surface of body pale rufous, inclining to isabelline on the abdomen, and with some chestnut patches on the throat and fore-neck.

Hab. Europe and Northern Asia, breeding in the north, but also in the Azores, Canaries, and Madeira, and again in the Himalayas at 10,000 feet; wintering in India, China, and S. Europe. Accidental in North America.

a. Pull. st.	Orkney Islands.	Purchased.
b. Ad. sk.	Stirlingshire, Nov. (*R. G. W. R.*).	Tweeddale Coll.
c. Ad. sk.	Craigmuir, Scotland.	Godwin-Austen Coll.
d. ♂ ad. sk.	Stockbriggs, Lanarkshire, Dec. 27 (*J. Robertson*).	Seebohm Coll.
e, *f*. Ad. et juv. st.	England.	Zoological Society.
g. Juv. st.	Cumberland.	J. Gould, Esq.
h. Pull. sk.	Clumber, Nottinghamshire.	Gould Coll.
i. ♀ ad. sk.	Northrepps, Norwich, Dec. 30 (*J. H. Gurney*).	Seebohm Coll.
k. ♀ ad. sk.	Near Norwich, March (*T. Gunn*).	Seebohm Coll.
l. ♀ ad. sk.	Eaton, Norfolk, Oct. 22 (*J. E. Harting*).	Seebohm Coll.
m. Ad. st.	Norfolk.	W. W. Barclay, Esq. [P.].
n. Ad. st.	Harting, Sussex, Nov.	J. E. Harting, Esq. [C.].
o. Ad. st.	Hailsham, Sussex, Oct.	J. E. Harting, Esq. [C.].
p, *q*. Ad.; *r*. Var. sk.	Devonshire.	Montagu Coll.
s. Ad. sk.	Devonshire.	Gould Coll.
t. Ad. st.	Trebertha, Cornwall.	Francis Rodd, Esq. [P.].
u. ♀ ad. sk.	Scaripp, Co. Clare, Ireland, Feb. 28, 1895 (*R. T. Hibbert*).	Lord Lilford [P.].
v, *w*. ♂ ad.; *x*. ♀ ad. sk.	Heligoland, April, Nov. (*L. Gätke*).	Seebohm Coll.
y. ♀ ad. sk.	Holland.	Seebohm Coll.
z. ♂ ad. sk.	Hungary, March (*Czynk*).	Hungarian National Museum [P.].
a'. ♂ ad. sk.	Near Moscow, May 2.	Seebohm Coll.
b'. ♀ ad. sk.	Cyprus, Nov. 21.	Lord Lilford [P.].
c'. Ad. st.	Archangel.	Dr. R. B. Sharpe [P.].
d'–*f'*. Ad. sk.	Mount Lebanon.	S. Barody [C.].
g'. ♂ ad. sk.	Madeira, June 29.	Salvin-Godman Coll.
h'. ♂ ad. sk.	Madeira, March 8.	C. J. Cossart, Esq. [P.].

i'. Ad. sk.	St. Anna, Madeira, Nov. 4.	C. J. Cossart, Esq. [P.].
k'. ♀ ad.; *l'*, *m'*. ♂ ♀ pull. sk.	Fanal, Madeira (3500 ft.), May 12 (*W. R. Ogilvie Grant*).	Baring & Grant Exp.
n'. Ad. sk	Orotava, Teneriffe.	Seebohm Coll.
o', *p'*. ♂ ♀ ad.; *q'*. Pull. sk.	St. Michael's, Azores, March, April (*F. Godman*).	Salvin-Godman Coll.
r'. Ad. st.	India.	General Hardwicke [P.].
s'. ♂ ad. sk.	Ootacamund, Nilghiris, May 2 (*W. Davison*).	Hume Coll.
t'. Ad. sk.	Alyghur distr.	Hume Coll.
u'. ♂ ad. sk.	Karachi, Sind, Nov. 4 (*E. A. Butler*).	Hume Coll.
v'. Ad. sk.	Koomarsain, Punjab, Dec.	Hume Coll.
w'. Ad. sk.	Dhurmsala, Sept.	Hume Coll.
x'. Ad. sk.	Simla (*A. Anderson*).	Seebohm Coll.
y'. Ad. sk.	Simla.	Hume Coll.
z'. ♀ ad. sk.	Simla, Nov. 3 (*A. O. H.*).	Hume Coll.
a'', *b''*. Ad. sk.	Kotegurh, Nov., April.	Hume Coll.
c'', *d''*. Ad. sk.	Kulu (*Major Hay*).	Gould Coll.
e'' *g''*. Ad. sk.	Kumaon (*Strachey*).	India Museum.
h''. ♀ ad. sk.	Kumaon, June 5 (*A. Anderson*).	Seebohm Coll.
i''–m''. Ad. sk.	Masuri.	Hume Coll.
n''. Ad. sk.	Nepal Valley, Feb. (*J. S.*).	Dr. J. Scully [P.].
o'', *p''*. ♂ ♀ ad. sk.	Nepal Valley, Nov. (*J. Scully*).	Hume Coll.
q'' *w''*. Ad. sk.	Nepal.	Hodgson Coll.
r''. Ad. sk.	Nepal (*B. H. Hodgson*).	India Museum. (Types of *S. indicus*, Hodgs.)
w''–d[2]. Ad. sk.	Native Sikhim, Jan., Feb., April (*L. Mandelli*).	Hume Coll.
e[2], *f*[2]. Ad. sk.	Darjiling.	Hume Coll.
g[2]. Ad. sk.	Naga Hills, winter.	Godwin-Austen Coll.
h[2]. ♂ ad. sk. (w. 7·0).	Calcutta, Oct. 31.	Hume Coll.
i[2]. ♀ ad. sk. (w. 7·3).	Bay of Bengal, Nov. 18 (*J. Armstrong*).	Hume Coll.
k[2]. Ad. sk. (w. 7·7).	Ta-tsien-lu (*A. Pratt*).	Seebohm Coll.
l[2]. Ad. st.	China.	J. R. Reeves, Esq. [P.].
m[2]. Ad. sk. (w. 7·7).	Shanghai.	Gould Coll.
n[2]. ♀ ad. sk. (w. 7·8).	Shanghai, Feb. 20 (*R. Swinhoe*).	Seebohm Coll.
o[2]. Ad. sk (w. 7·7).	Formosa, Oct. (*R. Swinhoe*).	Seebohm Coll.
p[2], *q*[2]. Ad. sk. (w. 7·6 7·7).	Amur Bay, E. Siberia, March (*Dybowski*).	Seebohm Coll.
r[2], *s*[2]. Ad. sk.	Nagasaki, Japan.	F. Ringer, Esq. [P.].
t[2]. ♀ ad. sk. (w. 7·2).	Hakodadi, Oct. 6 (*H. Whitely*).	Tweeddale Coll.
u[2]. Skull and feet.	Near Rangoon, Feb. (*H. B. Davidson*).	Hume Coll.
v[2], *w*[2]. Sterna.	Nepal.	Hodgson Coll.
x[2]. Bones of trunk.	Nepal.	Hodgson Coll.
y[2]. Skull.		Dr. Günther [C.].

2. Scolopax saturata.

Scolopax saturata, *Horsf. Trans. Linn. Soc.* xiii. p. 191 (1821: Mount Prahu, Java, 7000 ft.); *id. Zool. Research. Java*, pl. 63 (1824); *Less. Compl. Buff. Ois.* iii. p. 420 (1837); *Reichenb. Grall.* tab. ccclv. fig. 2780 (1851); *Bp. C. R.* xliii. p. 579 (1856); *Schl. Handl. Dierk.* i. p. 432, pl. vi. fig. 71 (1857); *id. Dierent.* p. 248 (1864); *id. Mus. Pays-Bas*, Scolopaces, p. 3 (1864: Java); *Blyth, Ibis*, 1865, p. 36, note; *Scl. & Salv. P. Z. S.* 1869, p. 419; *Gray, Hand-l. B.* iii. p. 54, no. 10353 (1871); *Legge, B. Ceylon*, p. 808 (1880); *Vorderm. Nat. Tijdschr. Nederl. Ind.* xlv. p. 107 (1885: Mount Salak, Java); *Seebohm, Ibis*, 1886, p. 127 (Java), 1887, pp. 283–285; *id. Geogr. Distr. Charadr.* p. 506, pl. xxi. (1888); *Salvad. Ibis*, 1889, pp. 108–112.

Rusticola javanica, *Less. Traité d'Orn.* p. 555 (1831: Java).

Gallinago saturata, *Stephens in Shaw's Gen. Zool.* xii. p. 59 (1824); *Gray, Gen. B.* iii. p. 583 (1846).

Scolopax russata (*nec Gould*), *Blyth, Ibis*, 1865, p. 36, note.

Scolopax rosenbergi, *Schl. Nederl. Tijdschr. Dierk.* iv. p. 54 (1871: New Guinea); *Rosenb. Reist. naar Geelvinkb.* p. 144 (1875); *id. Malay. Archip.* pp. 563, 595 (1879); *Salvad. Ann. Mus. Genov.* xviii. p. 331 (1882); *id. Orn. Papuasia etc.* iii. p. 335 (1882); *Guillem. P. Z. S.* 1885, p. 665 (Arfak); *Seebohm, Ibis*, 1886, p. 128; *Salvad. Ibis*, 1889, pp. 108–112; *id. Agg. Orn. Papuasia etc.* iii. p. 205 (1891).

Adult. General colour above rufous, thickly mottled with black, which takes the form of bars, and here and there of blotches, principally on the mantle, scapulars, and inner secondaries; crown of head also rufous, barred with black, and having one broad band of black between the eyes, another on the nape, and another, very narrow one, just below it on the hind-neck; the wing-coverts like the back; bastard-wing, primary-coverts, and quills uniform blackish, with a few small chequered rufous spots on the outer primaries, larger on the secondaries, the innermost of which are barred; tail-feathers black, the tips of the feathers ashy above and silvery-white beneath; beyond a sub-terminal narrow bar of rufous, nothing but a few spots of this colour on the tail; a buffy-white patch on each side of the forehead, followed by a line of black from the bill to the eye; chin and fore part of cheeks white; the throat, chest, and sides of body rufous, distinctly and somewhat broadly barred with blackish, especially on the flanks; the under tail-coverts rufous, less broadly barred with blackish; centre of the breast and abdomen white, regularly barred across with blackish; the under wing-coverts dusky blackish, with indistinct rufous bars; lower primary-coverts and quill-lining blackish, with a few rufous spots on the outer edge of the primaries; axillaries dusky blackish, with faint narrow bars of rufous. Total length 10·5 inches, culmen 3·25, wing 5·75, tail 1·9, tarsus 1·5.

I have only seen two skins from Java; in the one presented to the Museum by Dr. Vorderman the colour is rather browner than that of the New Guinea specimens; and the bars on the breast are not so black, while the vermiculations on the wing-coverts are finer and not so coarse. The specimen, however, appears to be immature; and I

cannot see any specific difference between the Woodcocks from the two localities mentioned. Thus in this instance I agree with the late Mr. Seebohm and differ from Count Salvadori's conclusions.

Hab. Mountains of Java and of North-western New Guinea.

a. Ad. sk.	Java (*Horsfield*).	India Museum. (Type of the species.)
b. Imm. sk.	Salak, Java.	Dr. Vorderman [P.].
c. ♂ ad. sk.	Arfak Mountains, N.W. New Guinea.	Mr. Bruijn [C.].
d. ♂ ad. sk.	Hatam, Arfak Mountains.	Seebohm Coll.

74. PHILOHELA.

	Type.
Micropterа, *Nuttall*, *Man. Orn.* ii. p. 192 (1834, *nec* Micropterus, *Lesson*, 1831)	P. minor.
Philohela, *Gray*, *List Gen. B.* 1841, p. 90	P. minor.

Range. North America.

1. Philohela minor.

Little Woodcock, *Penn. Arctic Zool.* ii. p. 463, pl. xix. fig. 2 (1785); *Lath. Gen. Syn.* iii. pt. 1, p. 131 (1785: New York).

Scolopax minor, *Gm. Syst. Nat.* i. p. 661 (1788); *Lath. Ind. Orn.* ii. p. 714 (1790); *Wilson, Amer. Orn.* vi. p. 40, pl. 48. fig. 2 (1812); *Bp. Ann. Lyc. N. Y.* ii. p. 331 (1826); *Audub. Orn. Biogr.* iii. p. 474, pl. cclxviii. fig. 1 (1835); *Schl. Mus. Pays-Bas*, Scolopaces, p. 3 (1864); *A. & E. Newton, Handb. Jamaica*, p. 116 (1881); *Seebohm, Geogr. Distr. Charadr.* p. 504 (1888).

Rusticola minor, *Vieill. N. Dict. d'Hist. Nat.* iii. p. 351 (1816); *id. Gal. Ois.* ii. p. 112, pl. 242 (1825); *Less. Traité d'Orn.* p. 555 (1831); *Bp. Comp. List B. Eur. & N. Amer.* p. 52 (1838); *Gosse, B. Jamaica*, p. 354 (1847); *Bp. C. R.* xliii. p. 579 (1856); *March, Proc. Acad. Nat. Sci. Philad.* 1864, p. 68 (Jamaica).

Micropterа minor, *Nuttall, Man. Orn.* ii. p. 194 (1834).

Lesser Woodcock, *Nuttall, Man. Orn.* ii. p. 194.

Micropterа americana, *Audub. Syn.* p. 250 (1839); *id. B. Amer.* 8vo, vi. p. 15, pl. 352 (1839); *Giraud, B. Long Isl.* p. 298 (1844).

Philohela minor, *Gray, List Gen. B.* p. 90 (1841); *id. List Grall. Brit. Mus.* p. 112 (1844: Rockport); *id. Gen. B.* iii. p. 584, pl. 157. fig. 2 (1846); *Reichenb. Grall.* tab. lxviii. fig. 554 (1850); *Licht. Nomencl. Av. Mus. Berol.* p. 83 (1854); *Cass. in Baird's B. N. Amer.* p. 700 (1858: Pennsylvania; Nebraska); *Boardm. Proc. Bost. Soc. Nat. Hist.* ix. p. 128 (1862: Bay of Fundy, breeding); *McIlwraith, Proc. Essex Inst.* v. p. 92 (1866: Hamilton, Canada West); *Coues, Proc. Bost. Soc. Nat. Hist.* xii. p. 122 (1868: South Carolina); *Allen, Mem. Bost. Soc.* i. p. 541 (1868: Western Iowa); *Gray, Hand-l. B.* iii. p. 54, no. 10355 (1871); *Maynard, Proc. Bost. Soc. Nat. Hist.* xiv. p. 383 (1871: Lake Umbagog, breeding); *Allen, Bull. Mus. C. Z.* ii. p. 355 (1871: Florida); *Scott, Proc. Bost. Soc. Nat. Hist.* xv. p. 227 (1872: West Virginia); *Coues, Key N. Amer. B.* p. 252 (1872); *id. B. N.-West*, p. 472 (1874), *Ridgw. Ann. Lyc. N. Y.* x. p. 383 (1874: Illinois); *id. Proc. Bost. Soc. Nat. Hist.* xvi. p. 324 (1874: Lower Wabash Valley); *Reid. Zool.* 1877, p. 476 (Bermudas); *Maynard, B. East.*

N. Amer. p. 373 (1879); *Salvin, Cat. Strickl. Coll.* p. 606 (1882); *Coues, Check-list N. Amer. B.* p. 99 (1882); *id. in Stearns' New Engl. Bird-Life*, ii. p. 191 (1883); *Baird, Brewer, & Ridgw. Water-Birds N. Amer.* i. p. 183 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 619 (1884); *Agersb. Auk*, ii. p. 286 (1885: S.E. Dakota); *Turner, Proc. U.S. Nat. Mus.* viii. p. 246 (1885: Labrador); *Brewster, Auk*, iii. p. 102 (1886: N. Carolina); *Seton, t. c.* p. 151 (Lake Winnipeg); *Smith, t. c.* p. 285 (Denver); *Fox, t. c.* p. 302 (Tennessee); *A. O. U. Check-list N. Amer. B.* p. 147 (1886); *Ridgw. Man. N. Amer. B.* p. 150 (1887); *Lloyd, Auk*, iv. p. 185 (1887: Western Texas); *Sennett, t. c.* p. 241 (N. Carolina); *Cory, t. c.* p. 311 (Jamaica); *Richm. Auk*, v. p. 20 (1888: Columbia); *Chapm. t. c.* p. 270 (Gainsville, Florida); *Evermann, t. c.* p. 348 (Indiana); *Brewster, t. c.* p. 389 (Massachusetts); *Cory, B. West Indies*, p. 232 (1889); *Scott, Auk*, vi. p. 156 (1889: Florida); *Pindar, t. c.* p. 312 (Kentucky); *Warren, B. Pennsylv.* 2nd ed. p. 78 (1890); *Heine & Reichen. Nomencl. Mus. Hein.* p. 330 (1890); *Thomps. Proc. U.S. Nat. Mus.* xiii. p. 498 (1890: Manitoba); *Hatch, B. Minnesota*, p. 117 (1892); *Scott, Auk*, ix. p. 12 (1892: Jamaica), p. 212 (Florida); *Cory, Cat. B. West Ind.* p. 92 (1892); *Dwight, Auk*, x. p. 8 (1893: Prince Edward Island); *Allen, t. c.* p. 123; *Wayne, t. c.* p. 204 (S. Carolina); *White, t. c.* p. 223 (Mackinac Isl.); *Mackay, Auk*, xi. p. 85 (1894: Massachusetts); *Stone, t. c.* p. 136 (New York); *Allen, Auk*, xii. p. 90 (1895: Cape Breton); *Jones, t. c.* p. 236 (Iowa); *Wayne, t. c.* p. 364 (Florida).

Adult male. General colour above sandy rufous, barred with black, and with large sub-terminal blotches of black on many of the scapulars and inner secondaries; many of the feathers of the upper surface spotted or tipped with pale lavender-grey, which forms a conspicuous feature of the upper surface; wing-coverts sandy rufous, barred with dusky, and with black on the lesser series; bastard-wing, primary-coverts, and quills uniform sepia-brown, the outer secondaries chequered and the inner ones freckled and barred with sandy rufous; centre of the lower back and rump dusky brown, barred with blackish and centred with black near the tip, the sides of the rump and the lateral upper tail-coverts cinnamon-rufous; tail-feathers black with ashy grey tips, before which is a thread-like line of sandy buff, the outer feathers with a few notches of the same colour on the outer web; forehead ashy grey, this colour extending over the crown to the line of the eyes, followed by a narrow band of sandy rufous, and then by a broad black band from eye to eye, another on the occiput, and another on the hind-neck, the bands separated by a narrow line of sandy rufous; lores and sides of face pale rufous buff, washed with ashy, especially on the ear-coverts and cheeks; a black line from the base of the bill to the eye, and another along the upper line of the cheeks; chin white; remainder of under surface cinnamon-rufous, clouded with ashy grey on the throat and sides of the upper breast, where there are a few small black bars; centre of breast and abdomen isabelline; under wing-coverts and axillaries cinnamon; lower primary-coverts and quill-lining dull ashy: "bill light brown, paler and yellowish

at base; feet pale reddish; iris brown. Total length 9 inches, culmen 2·5, wing 4·9, tail 2·2, tarsus 1·15.

Adult female. Similar to the male in colour, but rather larger. Total length 11 inches, culmen 3, wing 5·45, tail 2·2, tarsus 1·25.

Nestling. Covered with down of a pale grey or isabelline colour, relieved with reddish patches on the sides of the body and the wing-coverts; a line of black down the crown from the base of the bill, widening out behind the line of the eyes, where it joins a browner band which extends down the hinder neck along; the middle of the lower back a black band with a pale isabelline line on each side; on the ear-coverts a few brown markings, and between the bill and the eye a black streak, and another below the eye.

Hab. North America.

a. Ad. st.	North America.	Purchased.
b. Nestling sk.	North America.	Seebohm Coll.
c. ♀ ad. sk.	Canada.	Seebohm Coll.
d. Ad. sk.	Canada (*Sir Charles Shelley*).	Tweeddale Coll.
e, f. Ad. st.	Lake Ontario, Canada.	C. J. Phelips, Esq. [P.].
g. Ad. sk.	New Brunswick (*G. A. Boardman*).	Salvin-Godman Coll.
h. Ad. sk.	Niagara Falls.	Gould Coll.
i. Ad. sk.	Rockport, Ohio.	Professor Kirtland [P.].
k. ♀ ad. sk.	Locust Grove, New York, June (*C. L. Bigg*: *Hensh. Coll.*).	Salvin-Godman Coll.
l. ♀ ad. sk.	Elizabeth, New York, March 30 (*C. H. Merriam*: *Hensh. Coll.*).	Salvin-Godman Coll.
m, n. ♂ ad. sk.	Wellesley, Massachusetts, Oct. (*H. W. Henshaw*).	Salvin-Godman Coll.
o. ♀ ad. sk.	New Haven, Connecticut, April (*C. H. Merriam*: *Hensh. Coll.*).	Salvin-Godman Coll.
p. Ad. sk.	Ainsworth, Illinois, Sept. 19 (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
q. ♂ ad. sk.	Peoria, Illinois, July (*Bishop*).	Salvin-Godman Coll.
r. ♂ ad. sk.	Pennsylvania (*J. Krider*).	Seebohm Coll.
s–s'. ♂ ♀ ad. et imm. sk.	Washington, D.C., March April, June (*H. W. Henshaw*).	Salvin-Godman Coll.
b'. Ad. sk.	Florida.	Seebohm Coll.
c'. Ad. sk.	California.	Seebohm Coll.

75. PHEGORNIS.

	Type.
Leptopus, *Fraser*, *P. Z. S.* 1844, p. 175 (*nec Raffn.* 1815).	P. mitchelli.
Leptodactylus, *Fraser*, *P. Z. S.* 1844, p. 157 (*nec Fitz.* 1826).	P. mitchelli.
Leptocoelia, *Des Murs*, *Iconogr. Orn.* pl. 41 (1846) (*nec Halliday*, 1834)	P. mitchelli.
Phegornis, *Gray*, *Gen. B.* iii. p. 548 (1847)	P. mitchelli.

Range. S.W. of South America, from Peru to Chili.

1. Phegornis mitchelli.

Leptopus mitchelli, *Fraser, P. Z. S.* 1844, p. 157 (Chili); *id. Zool. Typ.* pl. 63 (1849).
Leptodactylus mitchelli, *Fraser, P. Z. S.* 1844, p. 157.
Leptoscelis mitchelli, *Des Murs, Icongr. Orn.* pl. xli. (1846); *Gay, Faun. Chil., Zool.* i. p. 404 (1847).
Phegornis mitchelli, *Gray, Gen. B.* iii. p. 545, pl. 145. fig. 1 (1847); *Reichenb. Grall.* tab. ccc. figs. 2437–38 (1850); *Bp. C. R.* xliii. p. 597 (1856); *Gray, Hand-l. B.* iii. p. 17, no. 10025 (1871); *Scl. & Salv. Nomencl. Av. Neotr.* p. 145 (1873); *Tacz. P. Z. S.* 1874, p. 561; *id. Orn. Pérou*, iii. p. 372 (1886: Junin); *Scl. P. Z. S.* 1886, p. 403 (Sitana, Tarapacá); *Seebohm, Geogr. Distr. Charadr.* p. 450, pl. xvi. (1888); *James, New List Chilian B.* p. 12 (1892).

Adult (type of species). General colour above uniform chocolate-brown, lighter and more ashy brown on the wings; bastard-wing, primary-coverts, and quills dusky brown, the inner webs more ashy brown; the secondaries lighter and more ashy, the outer ones fringed with white near the ends, and the inner ones notched externally with white; the long innermost secondaries brown like the back; upper tail-coverts brown, as also the tail-feathers, which are blackish sub-terminally, with a white end, slightly freckled with black, the outer feather also barred across with white; forehead and fore-part of crown as far as the eyes sooty black, as well as the throat; sides of face and cheeks and sides of neck sooty black; crown of the head to the nape brown, separated by a band of white, which runs from the nape above the ear-coverts forwards over the eye and across the crown between the line of the eyes; nape and hind-neck chestnut, extending down on each side on the sides of the neck; lower throat white; fore-neck, chest, and breast ashy whitish, finely lined across with wavy bars; lower breast and abdomen white, with a few dusky bars on the flanks, more broadly indicated on the under tail-coverts; under wing-coverts and axillaries white, the lower primary-coverts and quills being dull ashy: "bill black; feet yellowish flesh-colour; iris dark brown" (*Jelski*). Total length 6·5 inches, culmen 1·2, wing 4·6, tail 2, tarsus 1.

Young. Browner than the adults, and with rufous bars all over the upper surface, less distinct on the head, the forehead greyer; the hind-neck ashy whitish, as well as the streak on the sides of the head; throat and breast ashy, with coarser bars than in the adult, and scarcely any indications of dusky bars on the flanks and under tail-coverts.

Nestling. Blackish above, with ochreous spots; beneath white.

Hab. Western South America, from Chili to Peru.

a, b. Ad. et juv.; *c.* Pull. sk.	Chili.	Antarctic Exped. [C.].
d. Ad. sk.	Chili.	Zoological Society. (Type of species.)
e. Ad. sk.	Central Chili (*E. C. Reed*).	Berkeley James Coll.
f. ♂ ad. sk.	Junir, Peru (*Jelski*).	Seebohm Coll.

76. ROSTRATULA.

	Type.
Rostratula, *Vieill. Analyse*, p. 56 (1816)	R. capensis.
Rhynchæa, *Cuv. Règne Anim.* i. p. 487 (1817)	R. capensis

Range. The Ethiopian, Indian, and Australian Regions, ranging into China and Japan. Southern portion of the Neotropical Region.

Key to the Species.

a. Wing-coverts uniform, lined across with black, or with white, but never golden spots.
  a'. Throat chestnut, as also the collar round the hind-neck ..... *capensis* ♀, p. 683.
  b'. Throat and chest sooty black; a chestnut patch on the hind-neck ..... *australis* ♀, p. 690.
b. Wing-coverts uniform blackish, except for some large ovate spots of white; throat and sides of face sooty black..... *semicollaris* ♂ ♀, p. 690.
c. Wing-coverts with ovate spots of golden buff; upper throat white; fore-neck light brown ..... *capensis* ♂, p. 683. *australis* ♂, p. 690.

1. Rostratula capensis.

The Bengal Water Rail, *Albin, Nat. Hist. B.* iii. p. 85, pl. 90 (1740).
Le Chevalier de Bengale, *Briss. Orn.* v. p. 209 (1760).
La Beccassine de Madrast, *Briss. tom. cit.* p. 308.
La Beccassine du Cap de Bonne Espérance, *Briss. op. cit.* vi., Suppl. p. 141, pl. vi.
Scolopax capensis, *Linn. Syst. Nat.* i. p. 246 (1766); *Bodd. Tabl. Pl. Enl.* p. 10 (1783); *Gm. Syst. Nat.* i. p. 658 (1788); *Lath. Ind. Orn.* ii. p. 716 (1790); *Raffl. Trans. Linn. Soc.* xiii. p. 327 (1822).
Rallus benghalensis, *Linn. Syst. Nat.* i. p. 263 (1766).
Bécassine du Cap de Bonne Espérance, *D'Aubent. Pl. Enl.* viii. pl. 270.
Beccassine de la Chine, *D'Aubent. tom. cit.* pl. 881.
Beccassine de Madagascar, *D'Aubent. tom. cit.* pl. 922.
La Bécassine du Cap de Bonne Espérance, *Buff. Hist. Nat. Ois.* vii. p. 494 (1780).
La Bécassine de la Chine, *Buff. tom. cit.* p. 495.
La Bécassine de Madagascar, *Buff. tom. cit.* p. 495.
Le Chevalier vert, *Buff. tom. cit.* p. 520.
? La Beccassine blanche des Indes, *Sonn. Voy. Ind. Orient.* ii. p. 218 (1782).
Scolopax chinensis, *Bodd. Tabl. Pl. Enl.* p. 53 (1783).
Scolopax madagascariensis, *Bodd. tom. cit.* p. 55.
Cape Snipe, *Lath. Gen. Syn.* iii. pt. 1, p. 138 (1785).
Cape Snipe, var. A, *Lath. tom. cit.* p. 138, pl. lxxxi.
Cape Snipe, var. B, *Lath. tom. cit.* p. 139.
Cape Snipe, var. C, *Lath. tom. cit.* p. 139.
Cape Snipe, var. D, *Lath. tom. cit.* p. 140.
Madras Snipe, *Lath. tom. cit.* p. 141.
? White Indian Snipe, *Lath. tom. cit.* p. 141.
? Scolopax indica, *Gm. Syst. Nat.* i. p. 667 (1788); *Lath. Ind. Orn.* ii. p. 716 (1790).

Scolopax maderaspatana, *Gm. Syst. Nat.* i. p. 667 (1788); *Lath. Ind. Orn.* ii. p. 717 (1790).
Scolopax sinensis, *Lath. Ind. Orn.* ii. p. 717 (1790); *Shaw & Nodd. Nat. Misc.* pl. 729.
Rostratula capensis, *Vieill. N. Dict. d'Hist. Nat.* vii. p. 1 (1816); *Stejn. Stand. Nat. Hist.* iv., *Birds*, p. 111, cum fig. (1885).
Rostratula sinensis, *Vieill. tom. cit.* p. 2.
Rostratula indica, *Vieill. tom. cit.* p. 2.
Rostratula viridis, *Vieill. tom. cit.* p. 2.
Rhynchæa capensis, *Cuvier, Règne Anim.* i. p. 488 (1817); *Vieill. Enc. Méth.* iii. p. 1163 (1823); *Steph. in Shaw's Gen. Zool.* xii. p. 65, pl. x. (1824); *Less. Traité d'Orn.* p. 557 (1831); *Gray, Gen. B.* iii. p. 585 (1846); *Reichenb. Grall.* tab. lxxi. figs. 548–49 (1850); *Strickl. & Scl. Contr. Orn.* 1852, p. 159 (Damara-land); *Licht. Nomencl. Av. Mus. Berol.* p. 93 (1854: Arabia; Sumatra); *Bp. C. R.* xliii. p. 579 (1856); *Hartl. Orn. West-Afr.* p. 239 (1857); *Gurney, Ibis*, 1859, p. 153 (Ibadan, W. Africa); *Hartl. Faun. Madag.* p. 78 (1861); *Roch & Newton, Ibis*, 1863, p. 172 (Madagascar); *Gurney, t. c.* p. 330 (Natal); *Newton, t. c.* p. 457 (Madagascar); *Schl. P. Z. S.* 1866, p. 425 (Madagascar); *Layard, B. S. Afr.* p. 334 (1867); *Grand. Rev. et Mag. de Zool.* 1868, p. 4; *Finsch & Hartl. Vög. Ostafr.* p. 774 (1870); *Sharpe, P. Z. S.* 1870, p. 399 (Madagascar); *Gray, Hand-l. B.* iii. p. 54, no. 10356 (1871); *Gurney in Anderss. B. Dam.-Ld.* p. 313 (1872); *Shelley, B. Egypt*, p. 250, pl. xi. (1872); *Heugl. Orn. N.O.-Afr.* ii. Abth. i. p. 1211 (1873); *Antin. & Salvad. Viagg. Bogos*, p. 146 (1873: Menza, March); *Walden, Trans. Zool. Soc.* ix. p. 235 (1875); *Bartlett, P. Z. S.* 1875, p. 68 (Madagascar); *Barratt, Ibis*, 1876, p. 212 (Transvaal); *Reichen. J. f. O.* 1877, p. 11; *Ayres, Ibis*, 1877, p. 351 (Transvaal); *Hartl. Ois. Madag.* p. 335 (1877); *David & Oust. Ois. Chine*, p. 480 (1877); *Tweedd. P. Z. S.* 1877, p. 551 (Zamboanga), p. 703 (Luzon, Feb.), p. 834 (Butuan, May); *id. P. Z. S.* 1878, p. 345 (S. Leyte, Sept.); *Wood-Mason, P. Z. S.* 1878, p. 745, pl. xlvii. (Wachea); *Wardlaw Ramsay, Ibis*, 1880, p. 71 (Afghanistan); *id. P. Z. S.* 1880, p. 15 (Sumatra); *Butler, Str. F.* ix. p. 428 (1880); *Tweedd. Rep. Chall., Birds*, p. 24 (1880); *Legge, B. Ceylon*, p. 800 (1880); *Bocage, Orn. Angola*, p. 476 (1881); *Shelley, P. Z. S.* 1881, p. 600; *id. Ibis*, 1882, p. 366 (Mashona-land); *Milne-Edwards & Grandid. Hist. Nat. Ois.* p. 638, pl. 261 (1882); *Holub & Pelz. Beitr. Orn. Südafr.* p. 294 (1882); *Butler, Feilden, & Reid, Zool.* 1882, p. 425 (Natal); *Salvin, Cat. Strickl. Coll.* p. 608 (1882); *Oates, Handb. B. Brit. Burm.* ii. p. 386 (1883); *Fischer, Zeitschr. ges. Orn.* i. p. 387 (1884: Ronga R., March); *Sharpe, ed. Layard's B. S. Afr.* p. 679 (1884); *Fischer, J. f. O.* 1885, p. 116 (Pangani R.); *Salvad. Ann. Mus. Genov.* (2) vi. p. 312 (1888: Shoa); *Shelley, Ibis*, 1888, p. 306 (Jipi, breeding); *Hume, Str. F.* xi. p. 322 (1888: Manipur); *Seebohm, Geogr. Distr. Charadr.* p. 456 (1888); *Reichen. J. f. O.* 1889, p. 267 (Zanzibar); *Everett, Journ. Straits Branch As. Soc.* 1889, p. 206 (Borneo); *Heine & Reichen. Nomencl. Mus. Hein.* p. 330 (1890: Senaar); *Oates, ed. Hume's Nests & Eggs. Ind. B.* iii. p. 350 (1890); *Seebohm, B. Japan. Emp.* p. 340 (1890); *Styan, Ibis*, 1891, pp. 330, 505 (Lower Yangtze); *Sibree, Ibis*, 1892, p. 115 (Madagascar); *De La Touche, t. c.* p. 498 (Foochow); *Styan, Ibis*, 1893, p. 436 (Hainan); *Munn, Ibis*, 1894, p. 73 (Calcutta); *Shelley, t. c.* p. 475 (Nyâsa-land); *Reichen. Vög. Deutsch-Ost-Afr.* p. 43 (1894: Pangani; Kakoma; Ugálla; Ronga River).

Rhynchæa orientalis, *Horsfield, Trans. Linn. Soc.* xiii. p. 193 (1821).
Rhynchæa alba, *Vieill. Enc. Méth.* iii. p. 1164 (1823).
Rhynchæa sinensis, *Vieill. Enc. Méth.* iii. p. 1164 (1823); *Stephens in Shaw's Gen. Zool.* xii. p. 66 (1824); *Less. Man. d'Orn.* ii. p. 270 (1828); *Tacz. P. Z. S.* 1888, p. 458 (Corea).
Rhynchæa madagascariensis, *Stephens in Shaw's Gen. Zool.* xii. p. 67 (1824); *Less. Man. d'Orn.* ii. p. 270 (1828); *Reichenb. Grall.* tab. lxxi. fig. 547 (1850).
Rhynchæa madaraspatana, *Stephens in Shaw's Gen. Zool.* xii. p. 68 (1824); *Temm. & Schl. Faun. Jap.* p. 113 (1847).
Rhynchæa africana, *Less. Man. d'Orn.* ii. p. 270 (1828).
Rhynchæa bengalensis, *Less. Man. d'Orn.* ii. p. 270 (1828); *Gray, List Grall. Brit. Mus.* p. 108 (1844); *Rupp. Syst. Uebers.* p. 126 (1845); *Gray, Cat. Mamm. &c. Nepal pres. Hodgs.* p. 140 (1846); *Blyth, Cat. B. Mus. As. Soc.* p. 273 (1849: Calcutta); *id. Contr. Orn.* 1852, p. 52, pl. 89. figs. 1 3; *Bp. C. R.* xliii. p. 570 (1856); *Adams, P. Z. S.* 1858, p. 507; *Taylor, Ibis*, 1859, p. 53 (Egypt); *Irby, Ibis*, 1861, p. 242 (Oudh); *Swinh. P. Z. S.* 1863, p. 314; *Jerd. B. Ind.* iii. p. 677 (1864); *Allen, Ibis*, 1864, p. 241 (Damietta); *Antin. Cat. descr. Uce.* p. 108 (1864); *Taylor, Ibis*, 1867, p. 70 (Egypt); *Swinh. Ibis*, 1870, p. 362 (Hainan); *Blanf. Geol. & Zool. Abyss.* p. 432 (1870); *Gray, Hand-l. B.* iii. p. 55, no. 10357 (1871); *Swinh. P. Z. S.* 1871, p. 408; *Holdsw. P. Z. S.* 1872, p. 473 (Ceylon); *Hayes Lloyd, Ibis*, 1873, p. 417 (Kathiawar); *Hume, Nests & Eggs Ind. B.* p. 586 (1873); *id. Str. F.* i. p. 235 (1873: Sindh); *Adam, t. c.* p. 388 (Sambhur); *Ball, Str. F.* ii. p. 431 (1874: Chota Nagpur); *Salvad. Uce. Born.* p. 338 (1874); *Blyth & Wald. B. Burm.* p. 157 (1875); *Butler, Str. F.* iv. p. 15 (1876: Mount Aboo, &c.); *Fairb. t. c.* p. 263 (Khandala); *Hume, Str. F.* v. p. 46 (1877: N.E. Cachar); *Butler, t. c.* p. 223; *Swinh. Ibis*, 1877, p. 146; *Wardlaw Ramsay, t. c.* p. 439 (Burma); *Anderson, Rep. Zool. Exped. West. Yunnan*, p. 683 (1878: Momien, June); *Blakist. & Pryer, Ibis*, 1878, p. 225 (Japan); *Hume & Davison, Str. F.* vi. p. 459 (1878: Tenasserim); *Davidson & Wenden, op. cit.* vii. p. 80 (1878: Deccan); *Ball, t. c.* p. 228 (Ganges to Godavery); *Cripps, t. c.* p. 302 (Faridpur); *Butler, Cat. B. Sind etc.* p. 61 (1879); *Hume, Str. F.* viii. pp. 112, 157 (1879); *Butler, Cat. B. S. Bomb. Pres.* p. 76 (1880); *Hume & Marshall, Game Birds Ind.* iii. p. 381, cum tab. (1880); *Vidal, Str. F.* ix. p. 84 (1880: S. Konkan); *Bingham, t. c.* p. 107 (Thoungyeen Valley); *Kelham, Ibis*, 1882, p. 15 (Malay Peninsula); *Blakist. & Pryer, List B. Jap.* p. 122 (1882); *Davison, Str. F.* x. p. 414 (Nilghiris); *Blakist. Amended List B. Jap.* pp. 12, 42 (1884); *Murray, Vertebr. Faun. Sind.* p. 242 (1884); *Seebohm, Ibis*, 1884, p. 178 (Japan); *Swinh. & Barnes, Ibis*, 1885, p. 133 (Mhow distr.); *Heine & Reichen. Nomencl. Mus. Hein.* p. 330 (1890: Manila: Java); *Barnes, Bomb. Nat. Hist. Soc.* vi. p. 730, cum tab. fig. 873 (1891); *Ogilvie Grant, Ibis*, 1895, p. 206 (Catanduanes).
Rhynchæa picta, *J. E. Gray, Zool. Misc.* p. 18 (1831); *Sykes, P. Z. S.* 1832, p. 164 (Deccan); *Gray, List Grall. Brit. Mus.* p. 108 (1844).
Rhynchæa variegata, *Vieill. Gal. Ois.* ii. p. 109, pl. 240 (1834); *Schl. Mus. Pays-Bas, Scolopaces*, p. 16 (1854); *Heugl. Syst. Uebers.* p. 63 (1856: Upper Egypt, breeding in May and April); *Schl. & Pall. Faune Madag., Ois.* p. 131 (1858).
Rhynchæa variabilis, *Temm. Tabl. Meth.* p. 97 (1836).

Rhynchæa capensis vel indica, *Hodgs. Icon. ined. in Brit. Mus Grall.* pls. 96, 96 *a*, nos. 538–9; *id. in Gray's Zool. Misc.* p. 861 (1844).
Scolopax caffra, *Licht. ed. Forster, Descr. Anim.* p. 49 (1846: Cape of Good Hope).
Rhynchæa chinensis, *Gray, Gen. B.* iii. p. 585, pl. 157. fig. 5 (1846).
Rostratula bengalensis, *Stejn. Stand. Nat. Hist.* iv. *Birds*, p. 111 (1885).

Adult female. General colour above ashy brown, strongly glossed with olive-green, the upper surface freckled all over with transverse lines of dusky blackish, with here and there broader bars of greenish black; some of the scapular feathers edged with bright ochre, forming a streak down each side of the back; parapteral plumes pure white, forming another streak, which is, however, generally concealed by the scapulars; wing-coverts distinctly glossed with olive-green and finely barred with dusky; bastard-wing, primary-coverts, and quills pearly grey, freckled with irregular wavy lines of black, and ocellated with ovate spots of rich ochre on the outer web, and with bars of the same colour on the inner web, all the quills marked with black at the base of the outer web, more distinctly seen in the primaries than the secondaries; lower back, rump, upper tail-coverts, and tail pearly grey, with black cross-lines, the rump with a few white spots, the upper tail-coverts spotted with rich ochre, with which the tail-feathers are barred; crown of head dusky, slightly glossed with olive-green, with a band of ochre down the centre of the crown, bordered on each side by a shade of black; round the eye a cincture of isabelline whitish, reaching to a point above the ear-coverts, and surrounded by a blackish shade above and below, more broadly in front; lores and sides of face, as well as the throat, deep chestnut, extending backwards round the hind-neck; across the fore-neck a broad collar of greenish black; remainder of under surface of body white, extending upwards on either side of the black præ-pectoral band; on each side of the upper part of the breast a black patch with a slight greenish gloss, succeeded by some brown feathers waved with dusky lines; axillaries and under wing-coverts white, the outer ones ashy, freckled with dusky cross-lines and small spots of white or buff: "bill greenish, yellowish fleshy at the tip of both mandibles; feet pale green; iris dark brown" (*E. A. Butler*). Total length 9 inches, culmen 1·85, wing 5·5, tail 1·65, tarsus 1·7.

Adult male. Different from the female and rather smaller. Easily distinguished from the female by the absence of chestnut on the throat and neck, and by the different colour of the wing-coverts. The latter, instead of being olive-green barred with blackish cross-lines, are bronzy olive, with numerous bar-like spots of yellow-ochre, these spots having a black line above and below; the inner secondaries similarly marked and coloured. Although there is a line of sandy buff on each side of the back, there are apparently no white parapteral plumes. Instead of the chestnut on the throat, the latter is white with dusky spots on the upper part, the lower throat

light brown, mottled with dusky bars and whitish margins to the feathers, the lower border of this dusky patch edged with a band of black: "bill purplish brown; feet dull slaty-blue; iris dark brown" (*S. Stafford Allen*). Total length 9 inches, culmen 1·05, wing 5, tail 1·6, tarsus 1·7.

Young male. Resembles the old male almost exactly, but has the throat entirely white, the lower throat and fore-neck washed with brown, with some dusky streaks. These streaks on the full-grown male are sometimes black, and the feathers of the back and scapulars have spots or margins of white.

Young female. Is at first like the young male and has the same yellow-spotted wing-coverts. The hind-neck is grey, vermiculated with dusky like the male, and the markings on the throat are similar to those of the latter sex. When the chestnut colour is first assumed, it is of a dull tint, and is obscured by dusky margins to the feathers; the chin is white, and the throat and fore-neck uniform brown, with which the chestnut feathers are often mingled.

Hab. Africa below the Sahara, extending to Egypt. Indian Peninsula and Ceylon, to the Burmese provinces, China and Japan, south to the Malayan Peninsula, Sumatra, and the Philippines.

a, *b*. Ad. st.	Gambia.	Governor Rendall [C.].
c. Imm. sk.	Gambia.	Sir A. Moloney [P.].
d, *e*, *f*. ♂ ♀ imm. sk.	Accra, Gold Coast, May (*J. Smith*).	Shelley Coll.
g, *h*. ♂ ♀ ad. sk.	Otjimbinque, Damara-land, Nov. (*C. J. Andersson*).	Seebohm Coll.
i. Imm. sk.	Swakop River, Dec. 9 (*C. J. Andersson*).	Tweeddale Coll.
k. ♂ ad. sk.	Ondonga, Ovampo-land, Dec. 22 (*C. J. A.*).	Seebohm Coll.
l, *m*. ♂ ad. et imm. sk.	South Africa.	Sir A. Smith [C.].
n. ♀ imm. sk.	Natal.	Gurney Coll.
o. ♀ imm. sk.	Durban, Natal (*Gordge*).	Seebohm Coll.
p. ♂ ad.; *q*, *r*. ♀ ad. sk.	Newcastle, Natal, Sept.	Capt. Savile Reid [C.].
s. ♂ ad. sk.	Potchefstroom, Transvaal, Jan. (*T. Ayres*).	Gurney Coll.
t, *u*. ♂ ♀ ad. sk.	Marico, Transvaal.	F. A. Barratt, Esq. [P.].
v. ♀ imm. sk.	Madagascar (*Hewsher*).	Seebohm Coll.
w. ♂ ad. sk.	Madagascar.	Mr. A. Crossley [C.].
x. ♀ ad. sk.	Central Madagascar.	Seebohm Coll.
y, *z*. ♂ ad. sk.	Palombi R., Shirwa Plains, Nya-a-land (*A. Whyte*).	Sir H. H. Johnston [P.].
a'. ♀ ad. sk.	Fort Johnston, Upper Shiré (*Dr. Watson*).	Sir H. H. Johnston [P.].
b', *c'*. ♂ ♀ imm. sk.	Lamu (*Sir J. Kirk*).	Seebohm Coll.
d', *e'*. ♂ ad. et juv.; *f'*. ♀ ad. sk.	Lamu, Sept.	F. J. Jackson, Esq. [P.].

g'. ♂ ad. sk.	Ain, Lepka R., Samhar, July 6.	W. T. Blanford, Esq. [P.].
h', *i'*, *k'*. Ad. st.	Egypt.	J. W. H. Cuninghame, Esq. [P.].
l', *m'*. ♀ ad. et juv. sk.	Damietta, Egypt, Feb.	Shelley Coll.
n'. ♂ ad. sk.	Damietta (*G. E. S.*).	Tweeddale Coll.
o'. ♂ ad.; *p'*, *q'*. ♀ ad. sk.	Damietta, Feb. (*G. E. S.*).	Seebohm Coll.
r'. ♂ ad. sk.	Damietta, May 9 (*S. S. Allen*).	Seebohm Coll.
s'. ♂ ad. sk.	Cairo.	Surgeon-Capt. Penton [P.].
t', *u'*. Ad. sk.	Jellalabad, Afghanistan (*Griffith*).	India Museum.
v', *w'*. Ad. sk.	Sind (*Dr. H. Gould*).	India Museum.
x'. ♂ ad. sk.	Eastern Narra, Sind (*S. Doig*).	Hume Coll.
y'. ♀ ad. sk.	Deesa, Sept. 21 (*E. A. Butler*).	Hume Coll.
z'–*a''*. ♂ ad. sk.	Kutch, Jan. 3 (*F. Stoliczka*).	Hume Coll.
b''. Ad. sk.	Nusserabad.	H. F. Bellamy, Esq. [P.].
c'', *d''*, *e''*. ♀ ad. sk.	Sambhur, July (*R. M. Adam*).	Hume Coll.
f''. ♀ ad. sk.	Delhi, May 18 (*C. T. Bingham*).	Hume Coll.
g''. ♀ ad. sk.	Sultanpur, Gurgaon, Aug. (*W. N. Chill*).	Hume Coll.
h''. Ad. sk.	Simla (4000 ft.), Sept. 16 (*J. Thompson*).	Hume Coll.
i''. ♂ ad. sk.	Dehra Dhoon, Feb. 2 (*G. King*).	Hume Coll.
k''–*n''*. ♂ ♀ ad. sk.	Etawah, July.	Hume Coll.
o''. ♀ ad. sk.	Jhansie.	Hume Coll.
p'', *q''*. ♂ ♀ ad. sk.	Allahabad, May (*J. Cockburn*).	Hume Coll.
r''. ♂ ad.; *s''*, *t''*. ♀ ad. sk.	Oudh, Nov., Dec.	Hume Coll.
u'', *v''*. ♂ ♀ imm. sk.	Futtehgurh, May (*A. Anderson*).	Hume Coll.
w''. ♂ ad. sk.	Chumparun district, Oudh, March 27.	Hume Coll.
x'', *y''*. ♀ ad.; *z''*, *a*³. ♂ ♀ juv. sk.	Oudh.	Pinwill Coll.
*b*³–*g*³. ♂ ♀ ad. sk.	Nepal.	Hodgson Coll.
*h*³, *i*³. ♂ ♀ ad. sk.	Nepal (*B. H. Hodgson*).	India Museum.
k³. ♂ ad. sk.	**Darjiling.**	**Tweeddale Coll.**
*l*³. Ad. sk.	Darjiling (*Colonel Sharpe*).	Seebohm Coll.
*m*³, *n*³. ♂ ♀ ad. sk.	Kamroop, Assam, Jan. (*A. W. Chennell*).	Tweeddale Coll.
*o*³. ♀ ad. sk.	Manipur Valley, Feb. (*A. O. H.*).	Hume Coll.
*p*³. Ad. sk.	Dacca.	Hume Coll.
*q*³, *r*³. ♀ ad.; *s*³–*a*⁴. ♂ ad. sk.	Calcutta, Oct., Dec. to March (*A. O. H.*).	Hume Coll.
*b*⁴. Ad. sk.	Calcutta, April.	Godwin-Austen Coll.
*c*⁴, *d*⁴, *e*⁴. Juv. sk.	Calcutta.	India Museum.

*f*⁴. ♀ ad. sk.	Raipur, Jan.	Hume Coll.
*g*⁴. ♀ imm. sk.	Saugor.	Hume Coll.
*h*⁴, *i*⁴. ♀ ad. sk.	Kandeish.	Tweeddale Coll.
*k*⁴. Imm. sk.	Deccan (*Sykes*).	India Museum.
*l*⁴. ♂ imm. sk.	N.E. of Ahmednuggur, Nov. 3 (*S. B. Fairbank*).	Tweeddale Coll.
*m*⁴, *n*⁴. ♂ ♀ ad. sk.	Madras.	Hume Coll.
*o*⁴, *p*⁴. Ad. sk.	Malabar Coast.	Tweeddale Coll.
*q*⁴, *r*⁴. ♂ ♀ ad. sk.	Anjango, Travancore, Dec. (*F. Bourdillon*).	Hume Coll.
*s*⁴, *t*⁴. ♀ ad. et imm. sk.	Ragam Corale, Ceylon, Dec. 15.	Hume Coll.
*u*⁴. ♀ ad. sk.	Tonghoo, Burma.	Tweeddale Coll.
*v*⁴, *w*⁴. ♂ ♀ ad. sk.	Lower Pegu, March, April (*E. W. O.*).	Oates Coll.
*x*⁴. ♂ imm. sk.	Moulmein, Tenasserim, Nov. 10 (*C. T. Bingham*).	Hume Coll.
*y*⁴ *z*⁴. ♂ ♀ ad. et imm. sk.	Penang (*Dr. Cantor*).	India Museum.
*f*⁵, *g*⁵. ♂ ♀ ad. sk.	Malacca (*Dr. Maingay*).	Tweeddale Coll.
*h*⁵. ♀ ad. sk.	Singapore (*Hamilton*).	Seebohm Coll.
*i*⁵, *k*⁵. ♂ ♀ ad. sk.	Sumatra (*Carl Bock*).	Tweeddale Coll.
*l*⁵. Ad. sk.	China.	J. R. Reeves, Esq. [P.]. (Type of *R. picta*, J. E. Gray.)
*m*⁵, *n*⁵. ♂ ♀ ad. sk.	China (*S. Bligh*).	Seebohm Coll.
*o*⁵. ♀ ad. sk.	Canton.	Tweeddale Coll.
*p*⁵, *q*⁵. ♂ ad. sk.	Shanghai, Sept., Feb. (*R. Swinhoe*).	Seebohm Coll.
*r*⁵. ♀ ad. sk.	Chekiang, Oct. (*R. Swinhoe*).	Seebohm Coll.
*s*⁵, *t*⁵. ♂ ♀ ad. sk.	Amoy, Feb. (*R. Swinhoe*).	Seebohm Coll.
*u*⁵, *v*⁵. ♂ ♀ ad. sk.	Formosa, Jan. (*R. Swinhoe & P. A. Holst*).	Seebohm Coll.
*y*⁵, *z*⁵. ♂ ♀ ad. sk.	N. Formosa.	H. E. Hobson, Esq. [P.].
*a*⁶, *b*⁶. ♂ ♀ ad. sk.	Japan.	Gould Coll.
*c*⁶, *f*⁶. ♂ ♀ ad. sk.	Yezo (*T. Blakiston*).	Tweeddale Coll.
*g*⁶ *l*⁶. ♂ ♀ ad. sk.	Yokohama (*H. Pryer*).	Seebohm Coll.
*m*⁶. ♂ ad. sk.	Hakodadi, May 22 (*Henson*).	Seebohm Coll.
*n*⁶, *o*⁶. ♀ ad.; *p*⁶. ♂ ad. sk.	Nagasaki, Nov., May.	F. Ringer, Esq. [P.].
*q*⁶. ♂ ad. sk.	Nagasaki, Nov.	Seebohm Coll.
*r*⁶. ♂ ad. sk.	Monte Alban, Luzon, Feb. (*A. H. Everett*).	Tweeddale Coll.
*s*⁶. ♂ ad. sk.	S. Leyte, Sept. (*A. H. Everett*).	Tweeddale Coll.
*t*⁶. ♂ ad. sk.	Butuan, Mindanao, May (*A. H. Everett*).	Tweeddale Coll.
*u*⁶. ♂ ad. sk.	Zamboanga, May (*A. H. Everett*).	Tweeddale Coll.
*v*⁶. Ad. sk.	Zamboanga.	Voy. H.M.S. 'Challenger.'
*w*⁶, *x*⁶. ♂ ♀ ad. sk.	Ayala, Mindanao, Oct. (*J. B. Steere*).	Steere Coll.
*y*⁶. ♂ ad. sk.	Marinduque (*J. B. S.*).	Steere Coll.

2. Rostratula australis.

Rhynchæa australis, *Gould, P. Z. S.* 1837, p. 155; *id. B. Austr.* vi. pl. 41 (1842); *Gray, List Grall. Brit. Mus.* p. 108 (1844); *id. Gen. B.* iii. p. 585 (1846); *Sturt, Exped. Centr. Austr.* ii. App. p. 50 (1849); *Reichenb. Grall.* tab. lxx. figs. 999, 1000 (1850); *Bp. C. R.* xliii. p. 579 (1856); *Gould, Handb. B. Austr.* ii. p. 274 (1865); *Gray, Hand-l. B.* iii. p. 54, no. 10358 (1871); *Ramsay, P. Z. S.* 1877, p. 339 (N.E. Queensland); *Diggles, B. Austr.* ii. p. 100, cum fig. (1877); *Ramsay, Proc. Linn. Soc. N. S. W.* i. p. 190 (1877); *Masters, op. cit.* (2) i. p. 882 (1887: eggs); *Ramsay, t. c.* pp. 1060–61; *id. Tab. List Austr. B.* p. 20 (1888: Rockingham Bay; Wide Bay Distr.; Richmond & Clarence R. Distr.; N. S. W.; Interior; Victoria & S. Australia; W. & S.W. Australia); *North, Nests & Eggs Austr. B.* p. 311, pl. xvi. fig. 3 (1889); *Cox & Hamilton, Proc. Linn. Soc. N. S. W.* (2) iv. p. 420 (1890: Mudgee Distr.); *Legge, Proc. Austr. Assoc.* 1892, p. 6; *Campbell, Proc. Austr. Assoc.* 1893, p. 442.

Gallinago (Scolopax) australis, *Ramsay, Proc. Linn. Soc. N. S. W.* vii. p. 57, pl. iii. fig. 15 (1882: egg).

Rostratula australis, *Stejn. Stand. Nat. Hist.* iv. *Birds*, p. 110 (1885).

Adult female. Similar to the female of *R. capensis*, but with only a little chestnut on the hind-neck; the sides of the face and throat sooty black: "bill pale green at the base, passing into brownish horn-colour at the tip; legs pale green; iris rather dark hazel" (*J. Gould*). Total length 9·5 inches, culmen 1·7, wing 5·9, tail 1·8, tarsus 1·7.

Adult male. Similar to the male of *R. capensis*, but larger. Total length 9·5 inches, culmen 1·75, wing 5·5, tail 1·9, tarsus 1·55.

Hab. Australia.

a, b. ♀ ad. et imm. sk.	Australia.	J. Gould, Esq.
c. ♂ ad. sk.	Australia.	Seebohm Coll.
d. ♂ ad. sk.	Australia.	Sir E. Home [P.].
e. ♂ ad. sk.	Australia.	Sir G. Grey [P.].
f. ♀ imm.; *g.* ♂ ad. sk.	Australia.	Sir D. Cooper [P.].
h–l. ♂ ♀ ad. sk.	Queensland.	Salvin-Godman Coll.
m. ♀ ad. st.	New South Wales.	J. Gould, Esq.
n, o. ♂ ♀ ad. sk.	New South Wales.	Gould Coll.
p. ♀ ad. sk.	Sydney, New South Wales.	Seebohm Coll.
q. ♂ ad. sk.	Bass River, South Australia (*Marshall*).	Seebohm Coll.

3. Rostratula semicollaris.

Chorlito golas obscura y blanca, *Azara, Apunt.* iii. p. 323 (1805).

Chorlito cabeza y cuello obscuros, *Azara, tom. cit.* p. 325.

Totanus semicollaris, *Vieill. N. Dict. d'Hist. Nat.* vi. p. 402 (1816, *ex Azara*); *id. Enc. Méth.* iii. p. 1100 (1823).

Tringa atricapilla, *Vieill. N. Dict. d'Hist. Nat.* xxxiv. p. 474 (1819, ex *Azara*); *id. Enc. Méth.* iii. p. 1000 (1823).

Rhynchæa hilarea, *Valenc.*; *Cuv. Règne Anim.* i. p. 524 (1829); *Less. Traité d'Orn.* p. 557, pl. 102. fig. 1 (1831); *id. Ill. Zool.* pl. 18 (1831); *Tschudi & Cab. Faun. Peruan., Aves*, pp. 52, 300 (1845–46); *Reichenb. Grall.* tab. lxxi. figs. 550–51 (1850); *Licht. Nomencl. Av. Mus. Berol.* p. 93 (1854: Montevideo).

Rhynchæa occidentalis, *King, Zool. Journ.* iv. p. 94 (1829).

Rhynchæa semicollaris, *Gould in Darwin's Voy. 'Beagle,' Birds*, p. 131 (1841: Rio Plata); *Fraser, P. Z. S.* 1843, p. 118 (Chili); *Gray, List Gr. Brit. Mus.* p. 109 (1844); *id. Gen. B.* iii. p. 585 (1846); *Hartl. Ind. Azara*, p. 25 (1847); *Gay, Faun. Chili, Zool.* i. p. 429 (1847); *Bp. C. R.* xliii. p. 579 (1856); *Sckl. Mus. Pays-Bas, Scolopaces*, p. 18 (1864); *Scl. P. Z. S.* 1867, p. 339 (Chili); *id. & Salv. P. Z. S.* 1868, p. 144 (Conchitas); *Gray, Hand-l. B.* iii. p. 55, no. 10359 (1871); *Scl. & Salv. Nomencl. Av. Neotr.* p. 145 (1873); *Durnf. Ibis*, 1877, p. 42 (Patagonia), p. 190 (Buenos Ayres), 1878, p. 403 (Central Patagonia); *Sharpe, P. Z. S.* 1881, p. 16 (Coquimbo); *Salvin, Cat. Strickl. Coll.* p. 608 (1882: Valparaiso); *id. P. Z. S.* 1883, p. 420 (Chili); *Barrows, Auk*, i. p. 314 (1884: Lower Uruguay); *Withington, Ibis*, 1888, p. 472 (Lomas de Zamora); *Tacz. Orn. Pérou*, iii. p. 378 (1886); *Berl. J. f. O.* 1887, p. 126 (Paraguay); *Seebohm. Geogr. Distr. Charadr.* p. 459, pl. xix. (1888); *Scl. & Huds. Argent. Orn.* ii. p. 182 (1889); *Dust. Miss. Sci. Cap Horn, Ois.* p. 283 (1891); *Holland, Ibis*, 1891, pp. 16, 20, 1892, p. 211 (Argentine Republic); *James, New List Chilian B.* p. 12 (1892).

Rhynchæa hilarea, *Burm. Th. Bras.* ii. p. 378 (1856).

Rhynchæa hilari, *Burm. Reise La Plata-St.* ii. p. 504 (1861: Rio Paraná).

Rhynchæa curvirostris, *Licht. teste Tacz. Orn. Pérou*, iii. p. 378 (1886).

Adult male. General colour above sooty brown, uniform on the hind-neck, but freckled with grey on the upper back and scapulars, the latter having sub-terminal blotches of black with whitish fringes to the innermost secondaries, which have a bronzy rufous bar before the end of the feather, the scapulars similarly marked, some of them externally orange-buff along the outer web, forming a broad streak on each side of the back; lower back and rump earthy brown, with obscure dusky cross-lines, more distinct on the upper tail-coverts, which are more ochreous or sandy buff; wing-coverts blackish brown, with sandy-buff margins; the median and greater series with large ovate white spots; parapteral feathers short, black, tipped and barred with white, forming a shoulder-patch; bastard-wing, primary-coverts, and quills blackish, with rounded spots of white on the outer web and bars of white on the inner one, all the quills margined with white at the ends; innermost secondaries like the scapulars, the outer ones ashy barred with dusky brown; tail-feathers pale buff, with narrow cross-bars of dusky; on each side of the crown a broad black band, with a broad stripe of ochreous buff along the centre, and a narrow whitish eyebrow, scarcely continuous above the eye; sides of face, throat, neck, and chest sooty brown,

inclining to black on the chest, on the sides of which is a large spot of white; breast and abdomen white, the sides of the body sandy buff with a few dusky frecklings; under tail-coverts also sandy buff; axillaries and under wing-coverts white, with a few black spots or bars on the latter; quills dusky below, barred with white. Total length 7·5 inches, culmen 1·5, wing 4, tail 1·9, tarsus 1·4.

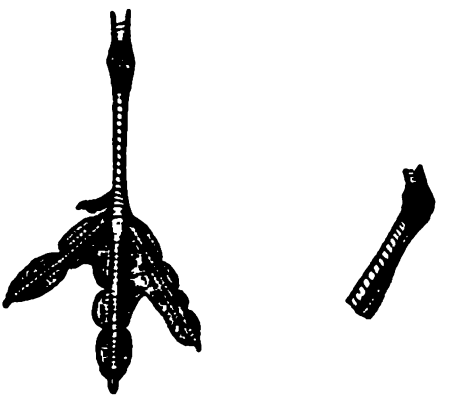
Adult female. Not to be distinguished from the male. Total length 7·7 inches, culmen 1·55, wing 4·1, tail 1·8, tarsus 1·4.

Young. Differs from the adult in being paler brown, in having the feathers of the throat edged with whitish, and in having yellowish spots instead of white ones on the wing-coverts.

Hab. From Peru to Chili, Uruguay, Paraguay, and Argentina.

a. Ad. sk.	Buenos Ayres, Sept. 10.	H. Durnford, Esq. [C.].
b. ♀ ad. sk.	Lomas de Zamora, July 9 (*F. Withington*).	Sclater Coll.
c, d. ♂ juv.; *e.* ♀ ad. sk.	Colonia, River Plate, June, Nov. (*Capt. Harrison*).	Seebohm Coll.
f. Ad. sk.	Manket, Montevideo, April 22.	H. Durnford, Esq. [C.].
g, h. ♂ ♀ ad. sk.	Cordova, Argentine Republic.	Seebohm Coll.
i. Ad. sk.	Uruguay.	Alan Peel, Esq. [C.].
k. ♀ ad. sk.	Mendoza (*Weisshaupt*).	Salvin-Godman Coll.
l. Ad. sk.	Chili.	T. Bridges, Esq. [P.].
m. ♂ ad. sk.	Chili (*Admiral Markham*).	Salvin-Godman Coll.
n, o, p. Ad.; *q.* ♂ juv. sk.	Chili (*E. C. Reed*).	Seebohm Coll.
r. Ad. sk.	Chili (*Leybold*).	Salvin-Godman Coll.
s. ♂ ad. sk.	Santiago, Chili, July (*Philippi*).	Seebohm Coll.
t. ♂ ad. sk.	Santiago (*Leybold*).	Salvin-Godman Coll.
u. ♂ ad. sk.	Coquimbo, Chili (*Admiral Markham*).	Salvin-Godman Coll.
v. ♀ ad. sk.	Coquimbo, June (*Dr. Coppinger*).	Voy. H.M.S. 'Alert.'
w–z. ♂ ♀ ad. sk.	Arauco, Tarapacá, Aug. (*A. A. Lane*).	Berkeley James Coll.
a'. Ad. sk.	Peru.	Seebohm Coll.

Subfamily X. PHALAROPINÆ.



Foot and lateral view of tarsus of *Crymophilus fulicarius*, to show the pectination (drawn from fresh specimen).

Key to the Genera.

a. Tarsus short, equal to the middle toe and claw; bill short, flattened, and somewhat widened at the end; culmen equal to tarsus in length .. .. 77. CRYMOPHILUS, p. 693.

b. Tarsus longer than the middle toe and claw.

a'. Tarsus short, not equal to the culmen in length ..... 78. PHALAROPUS, p. 698.

b'. Tarsus long, equal to the culmen in length ..... 79. STEGANOPUS, p. 705.

77. CRYMOPHILUS.

	Type.
Phalaropus, pt., *Briss. Orn.* vi. p. 12 (1760).	
Phalaropus, pt., *Illiger, Prodr.* p. 257 (1811).	
Crymophilus, *Vieill. Analyse*, p. 62 (1816)	*C. fulicarius.*
Amblyrhynchus, *Nutt. Man.* ii. p. 247 (*nec Gray*, 1840)	*C. fulicarius.*

Range. The same as that of the single species.

1. Crymophilus fulicarius.

The Red Coot-footed Tringa, *Edw. Nat. Hist. B.* iii. p. 142, (1750: Hudson's Bay).

The Grey Coot-footed Tringa, *Edwards, Gleanings*, ii. p. 206, pl. 308 (1760: Yorkshire).

Le Phalarope, *Briss. Orn.* vi. p. 12 (1760).
Le Phalarope roussatre, *Briss. t. c.* p. 20 (1760).
Tringa fulicaria, *Linn. Syst. Nat.* i. p. 249 (1766).
Phalaropus lobatus (*nec Linn.*), *Tunst. Orn. Brit.* p. 3 (1771); *Lath. Ind. Orn. Suppl.* ii. p. 776 (1790); *Hewits. Eggs Brit. B.* ii. pl. xcii. fig. 1 (1846); *Thomps. B. Irel.* ii. p. 336 (1849: occasional); *Macgill. Hist. Brit. B.* iv. p. 284 (1852); *Blyth, Ibis*, 1859, p. 464 (Calcutta); *Jones, Nat. Bermuda*, p. 47 (1859); *R. Gray, B. West Scotl.* p. 327 (1871); *Treat, Auk*, iv. p. 78 (1877: Connecticut).
Le Phalarope rouge, *Buff. Hist. Nat. Ois.* vii. p. 225 (1781).
Le Phalarope à festons dentelés, *Buff. Hist. Nat. Ois.* vii. p. 226 (1781).
Red Phalarope, female, *Lath. Gen. Syn.* iii. pt. 1, p. 271 (1785).
Grey Phalarope, *Lath. t. c.* p. 272 (1785); *Yarr. Brit. B.* iii. p. 43 (1843).
Plain Phalarope, *Lath. t. c.* p. 273 (1785).
Tringa glacialis, *Gm. Syst. Nat.* i. p. 674 (1788).
Phalaropus hyperboreus (*nec L.*) ♀, *Lath. Ind. Orn.* ii. p. 775 (1790); *Wilson, Amer. Orn.* ix. p. 75, pl. lxxiii. fig. 4 (1814).
Phalaropus glacialis, *Lath. t. c.* p. 776 (1790).
Phalaropus rufus, *Bechst. Naturg. Deutschl.* 2nd ed. iv. p. 381 (1809); *Pall. Zoogr. Rosso-Asiat.* ii. p. 205 (1811); *Brehm, Vög. Deutschl.* p. 678 (1831); *Kjærb. Orn. Dan.* tab. li. A. fig. 2, *Suppl.* pl. xxxiii. figs. 3, 4 (1852); *Schalow, J.f. O.* 1891, p. 261 (Kurile Is.).
Phalaropus platyrhynchus, *Temm. Man.* p. 459 (1815); *id. op. cit.* 1820, ii. p. 712; *Werner, Atlas, Pinnatipedes*, pl. 4 (1827); *Brehm, Vög. Deutschl.* p. 679 (1831); *Naum. Vög. Deutschl.* viii. Taf. 206 (1836); *Gould, B. Eur.* iv. pl. 337 (1837); *Fallon, Ois. Belg.* p. 189 (1875); *Gätke, Vogelw. Helgol.* p. 528 (1891).
Phalaropus griseus, *Leach, Syst. Cat. Mamm. &c. Brit. Mus.* p. 34 (1816: Yorkshire).
Crymophilus rufus, *Vieill. N. Dict. d'Hist. Nat.* viii. p. 521 (1817); *id. Gal. Ois.* ii. p. 176, pl. 270 (1826).
Phalaropus fulicarius, *Swains. & Rich. Faun. Bor.-Amer., Birds*, p. 407 (1831: Columbia R.; breeding on the N. Georgian Islands and Melville Peninsula); *Jard. ed. Wilson's Amer. Orn.* iii. p. 195, pl. 73. fig. 4 (1832); *Audub. B. Amer.* pl. 255; *id. Orn. Biogr.* iii. p. 404 (1835); *Bp. Comp. List B. Eur. & N. Amer* p. 54 (1838); *Audub. Syn.* p. 239 (1839); *id. B. Amer.* v. p. 291, pl. 339 (1842); *Selys-Longch. Faune Belge*, p. 123 (1842); *Giraud, B. Long Isl.* p. 245 (1844); *Gray, List Grallæ Brit. Mus.* p. 107 (1844); *id. Gen. B.* iii. p. 586 (1848); *Blyth, Cat. B. Mus. As. Soc.* p. 271 (1849: Calcutta); *Baird, Cassin, & Lawr. B. N. Amer.* p. 707 (1858); *Jaub. & Barth.-Lapomm. Rich. Orn.* p. 499 (1859); *Sundev. Sv. Fogl. Suppl.* pl. xii. figs. 4, 4 *b* (1860); *Reinh. Ibis*, 1861, p. 11 (Greenland); *Schl. Dier. Nederl.* pl. 23. figs. 9, 10, 10 *a* (1861); *A. Newt. in Baring-Gould's 'Iceland,'* p. 411 (1863: breeding); *Gray, Cat. Brit. B.* p. 176 (1863); *Blakist. Ibis*, 1863, p. 131 (Hudson's Bay); *Schl. Mus. Pays-Bas*, Scolopaces, p. 58 (1864); *Jerd. B. Ind.* iii. p. 695 (1864); *A. Newt. Ibis*, 1865, pp. 499, 505 (Spitsbergen); *Gurney, Grey Phalarope* (1866); *Baird, Ibis*, 1867, p. 287 (Greenland); *Degl. & Gerbe, Orn. Eur.* ii. p. 236 (1867); *Drake, Ibis*, 1867, p. 429 (Tangiers, Jan.); *Blyth, Ibis*, 1867, p. 166; *Doderl. Avif. Sicil.* p. 352 (1869); *Dall & Bann. Trans. Chic. Acad.* i. p. 291 (1869: Yukon River; Plover Bay); *Gray, Hand-l. B.* iii. p. 55, no. 10360 (1871);

Salvad. Faun. Ital., Vec. p. 210 (1871): *Coues, Key N. Amer. B.* p. 248 (1872): *Elliott, Rep. Prybilov Isl.* no. 411 (1873); *Gould, B. Gt. Brit.* iv. pls. 81, 82 (1873); *Irby, Ibis*, 1873, p. 97 (Cadiz-Tarifa, Nov.); *Coues, B. N.-West*, p. 471 (1874); *Dresser, B. Eur.* vii. p. 600, pls. 535, 539. fig. 1 (1874): *Sunder. Öfv. K. Vet.-Akad. Stockh.* 1874, p. 20 (Spitsbergen); *Cordeaux, Ibis*, 1875, p. 185 (Heligoland); *Danf. & Harvie-Brown, t. c.* p. 420 (Transylvania); *Irby, Orn. Str. Gibr.* p. 135 (1875); *Blanf. Zool. East. Persia*, ii. p. 284 (1876); *Feilden, Ibis*, 1877, p. 406 (82° N. lat., June 30; 82° 30′ N. lat., July); *David & Oust. Ois. Chine*, p. 481 (1877: China in winter); *E. Adams, Ibis*, 1878, p. 438 (Michalaski, June, breeding); *Hume, Str. F.* vii. p. 487 (1878); *id. Str. F.* viii. p. 113 (1879); *Butler, Cat. B. Sind etc.* p. 64 (1879); *Maynard, B. East. N. Amer.* p. 372 (1879); *Irby, Ibis*, 1879, p. 345 (Tangier, Dec.); *Giigl. Ibis*, 1881, p. 200 (Italy, Aug. to Feb.); *Coues, Check-l. N. Amer. B.* p. 89 (1882); *Elliott, Rep. Fur-Seal Isl. Alaska*, p. 120 (1882: not breeding); *B. O. U. List Brit. B.* p. 164 (1883); *Haast, Tr. N. Zeal. Inst.* xvi. p. 270 (1883: Waimate Lagoon, N. Z., June); *Saunders, ed. Yarr. Brit. B.* iii. p. 310 (1883); *Salvin, P. Z. S.* 1883, p. 429 (Coquimbo); *Nelson, Cruise R.S. 'Corwin,'* p. 91 (1883: Alaska and Siberian coasts, breeding); *Severtz. Ibis*, 1883, p. 76 (Karakul); *Cajen, Od. B. New Engl.* p. 86 pl. xix. fig. 1 (1883: Maine, breeding); *Stearns, New Engl. Birdlife*, ii. p. 189 (1883); *Blakist. Amend. List B. Japan*, p. 137 (1884); *Coues, Key N. Amer. B.* 2nd ed. p. 614 (1884); *Baird, Brewer, & Ridgw. Water-B. N. Amer.* i. p. 326 (1884); *Saunders, Ibis*, 1884, p. 389 (S. Jean de Luz, Dec.); *Seebohm, t. c.* p. 33 (Kurilses); *id. Hist. Brit. B.* iii. p. 85, pl. xxvii. figs. 7–9 (1885); *Murdoch, Rep. Exped. Pt. Barrow*, p. 115 (1885: breeding); *Gigl. Arif. Ital.* p. 381 (1886); *id. op. cit. 1st Rendc.* i. p. 584 (1889), ii. p. 650 (1889); *Pleske, Uebers. Saug. u. Vog. Kola-Halbinsel*, p. 346 (1886); *Tait, Ibis*, 1887, p. 385 (Portugal, Sept. to Nov.); *Salvad. Elench. Vec. Ital.* p. 216 (1887); *Seeb. Geogr. Distr. Charadr.* p. 358 (1888); *id. Ibis*, 1888, p. 340 (Great Liakoff Isl., breeding); *Pleske, Mem. Acad. Imp. St. Petersb.* (7) xxxvi. p. 52 (1888: Tschimass); *Buller, B. N. Zeal.* 2nd ed. ii. p. 30 (1888); *Reichen. Syst. Verz. Vog. Deutschl* p. 50 (1890); *Saunders, Man. Brit. B.* p. 549 (1889); *Seeb. B. Japan. Emp.* p. 318 (1890: Kurilses); *Brusina, Orn. Croatica*, p. 88 (1888); *Campbell-Ord, Ibis*, 1891, p. 294 (Outer Hebrides); *Buckley & Harvie-Brown, Vertebr. Faun. Orkney Isl.* p. 210 (1891: rare visitor); *Seebohm, Ibis*, 1892, p. 25 (Heligoland); *Sel. Bull. B. O. Club*, i. no. x. p. lx; *id. Ibis*, 1893, p. 580 (Chili); *Blasius, Notes Leyden Mus.* xv. p. 227 (1893); *Irby, Orn. Straits Gibr.* 2nd ed. p. 275 (1895); *H. J. & C. E. Pearson, Ibis*, 1895, pp. 245, 248 (Iceland); *Payn. Eggs Brit. B.* part iii. (1896).

Red Phalarope, *Nuttall, Man.* p. 293 (1834).

Phalaropus rufescens, *Keys. & Blas. Wirb. Eur.* pp. lxxiii, 212 (1840); *Schl. Rev. Crit.* p. xciv (1844); *Midd. Reis. Sibir., Zool.* p. 216 (1851: Taimyr River, breeding; Boganida R.; not seen in S.E. Siberia); *Schley. Vog. Nederl* pl. 230 (1854); *Borggr. Vogelf. Norddeutschl.* p. 115 (1870); *Tacz. Bull. Soc. Zool. France*, i. p. 251 (1876), ii. p. 157 (1877: Poland); *Bogd. Consp. Av. Imp. Ross.* p. 81 (1884).

Phalaropus platyrostris, *Nordm. in Démid. Voy. Russ. Mérid.* iii. p. 250 (1840: accidental).

Phalaropus lobatus, *Blyth, Ibis*, 1859, p. 464 (Calcutta, May).
Phalaropus cinereus, *Fritsch, Vög. Eur.* tab. 3 *g.* fig. 3 (1871).
Lobipes wilsoni (*nec Sabine*), *Blakist. & Pryer, Tr. As. Soc. Japan*, viii. p. 196 (1880).
Crymophilus fulicarius, *Stejn. Bull. U.S. Nat. Mus.* no. 29, p. 140 (1885: Bering Island); *id. Auk*, ii. p. 183 (1885); *A. O. U. Check-list N. Amer. B.* p. 145 (1886); *Turner, Contr. Nat. Hist. Alaska*, p. 145 (1886: breeding); *Nelson, Rep. Nat. Hist. Coll. Alaska*, p. 145 (1887); *Ridgw. Man. N. Amer. B.* p. 144 (1887); *Warren, B. Pennsylv.* p. 235 (1888); *Chapm. Bull. Amer. Mus. Nat. Hist.* iii. p. 132 (1891: British Columbia); *Macf. Proc. U.S. Nat. Mus.* xiv. p. 425 (1891: Franklin Bay, July; breeding); *Stejn. t. c.* p. 492 (Japan); *Mackay, Auk*, viii. p. 120 (1891: Mass., October); *White, t. c.* p. 233 (Gulf of St. Lawrence, May); *Mackay, Auk*, ix. p. 294 (1892: Mass., May); *Miller, t. c.* p. 298; *Allen, Auk*, x. p. 123 (1893); *Morris, Auk*, xi. p. 181 (1894: Mass., Sept.); *Mackay, t. c.* p. 225; *Canfield, Auk*, xii. p. 77 (1895: Bridgeport, Conn.); *Coues, t. c.* p. 339; *Elliot, N. Amer. Shore-birds*, p. 21, fig. 2 (1895); *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 82 (1895); *Sharpe, Handb. Brit. B.* iii. p. 193, pl. lxxxiv. (1896).

Adult female in breeding-plumage. General colour above sandy buff, streaked with black centres to the feathers; scapulars like the back; lower back dark slate-colour; rump and upper tail-coverts chestnut, with black centres to many of the feathers, some of the tail-coverts slaty grey with sandy margins; lesser wing-coverts slaty blue, with whitish edgings; the median series and greater coverts broadly tipped with white; bastard-wing, primary-coverts, and quills blackish with white shafts, the inner primary-coverts tipped with white, most of the primaries white at the base of the outer web; the secondaries for the most part white, blackish towards the ends of the outer webs; innermost secondaries dark slate-colour or blackish with sandy-rufous edges, like the back; centre tail-feathers blackish with sandy margins, the lateral ones dark grey fringed with white, the outermost more broadly edged and having a white shaft; crown of head sooty black; nape and hind-neck also blackish; forehead, lores, anterior part of face, chin, and upper throat dark slate-colour; feathers below the eye, a small streak above the latter, and ear-coverts white; sides of neck and entire under surface of body vinous chestnut; under wing-coverts and axillaries white; quills ashy below, whitish along the inner webs. Total length 7 inches, culmen 1, wing 5·4, tail 2·6, tarsus 0·85, middle toe and claw 0·9.

Adult male in breeding-plumage. Similar to the female, but not so brightly coloured, the head being sandy brown streaked with blackish like the back, and not sooty black as in the female bird; sides of face vinous chestnut, the base of the cheeks and chin tinged with slaty grey, with a good deal of white on the throat and under surface of body, which never seems to get uniformly vinous chestnut as in the adult female. Total length 7·5 inches, culmen 0·85, wing 5·05, tail 2·55, tarsus 0·9, middle toe and claw 0·9.

Adult male in winter plumage. Bluish grey, with a black patch on the nape; wings more dusky than in summer, but with the white markings similar, the innermost secondaries bluish grey like the back and scapulars; forehead, eyebrow, sides of face, and entire under surface of body pure white; the top of the crown white, slightly mottled with dusky bases to the feathers; feathers in front of the eye and a streak along the upper edge of the ear-coverts black.

Young. Distinguished from the adults by the sandy-buff margins to the feathers of the upper surface and by the vinous tinge of the throat and fore-neck; the fore-part of the crown buffy white, with a broad horseshoe mark of black on the hinder crown.

Hab. Breeding in Arctic Regions of both Old and New Worlds, ranging south in winter.

a, *b*. Ad. et juv. sk.	Great Britain.	Gould Coll.
c. Juv. sk.	Great Britain.	Hume Coll.
d. Ad. sk.	Orkney Islands.	Gould Coll.
e. Juv. sk.	Yarmouth, Nov. 22 (*Hubbard*).	Salvin-Godman Coll.
f. ♀ juv. sk.	Gomshall, Surrey, Nov. 12.	Lady Bowman [P.].
g. Ad. sk.	Brighton.	Dr. J. E. Gray [P.].
h. Ad. sk.	Brighton, Sept.	Harting Coll.
i. Juv. sk.	Pagham, Sussex, Sept. 11.	Miss I. Barker [C.].
k. ♀ ad.; *l*. ♂ juv. sk.	Pagham, Sept., Oct. (*J. E. Harting*).	Seebohm Coll.
m. Juv. sk.	Pagham, Sept.	Dr. R. B. Sharpe [P.].
n. ♂ juv. sk.	Pagham Harbour, Sept. 23 (*J. E. Harting*).	Seebohm Coll.
o. Juv. sk.	Christchurch, Hants, Oct. (*A. von Hügel*).	Seebohm Coll.
p. Ad. hiem. sk.	Wiltshire.	Montagu Coll.
q. Ad. hiem. sk.	Salisbury, Dec.	Dr. Theodore Fisher [P.].
r. Ad. hiem. sk.	Devonshire.	A. D. Bartlett, Esq. [C.].
s. Juv. sk.	Plymouth (*J. Gatcombe*).	J. H. Gurney, Esq. [P.].
t. ♀ juv. sk.	Plymouth, Oct. (*J. Gatcombe*).	Seebohm Coll.
u. ♂ juv. sk.	Kingsbridge, Devon, Oct. 16.	Dr. R. P. Nicholls [P.].
z. Ad. sk.	Upernavik, Iceland (*A. Newton*).	Seebohm Coll.
a'. ♂ juv. sk.	Heligoland, Oct. (*L. Gätke*).	Seebohm Coll.
b'. ♂ ad. sk.	Archangel (*Henke*).	Seebohm Coll.
c'. ♀ ad. sk.	East Siberia (*Middendorff*).	Seebohm Coll.
d', *e'*. ♂ ♀ ad. sk.	Kamtschatka (*Voznesensky*).	Seebohm Coll.
f'. Ad. sk.	Kurile Is., Aug. (*Snow*).	Seebohm Coll.
g'. ♀ ad. sk.	Lat. 82° 27', June 30 (*Col. Feilden*).	Voy. H.M.S. 'Alert.'
h'. Ad. sk.	Greenland.	Tweeddale Coll.
i'. Ad. sk.	Arctic America (*Lieut. Pim*).	Salvin-Godman Coll.

k', *l'*, *m'*. ♂ ad.; *n'*, *o'*, *p'*. ♀ ad.; *q'*–*t'*. Juv. sk.	St. Michael's, Alaska, May, June, Oct. (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
u'. ♂ ad.; *v'*, *w'*. ♀ ad. sk.	Point Barrow, Alaska, June (*J. Murdoch*: *Hensh. Coll.*).	Salvin-Godman Coll.
x', *y'*, *z'*. ♂ ♀ ad. sk.	28 miles south of Kotlik, Alaska, May 28 (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
a''. ♂ ad. sk.	St. Paul's Island, Alaska, July 26 (*H. W. Elliott*: *Hensh. Coll.*).	Salvin-Godman Coll.
b'', *c''*. Ad. sk.	N.W. America.	Capt. Collinson [P.].
d''–*h''*. Ad. et juv. sk.	N.W. America.	Capt. Kellett & Lieut. Wood [P.].
i''. Ad. sk.	Hudson's Bay, June 17.	Gould Coll.
k'', *l''*, *m''*. Ad. et juv. sk.	Repulse Bay.	Dr. Rae [P.].
n'', *o''*. Ad. sk.	Labrador.	Salvin-Godman Coll.
p''. ♀ ad. sk.	Labrador.	Hume Coll.
q'', *r''*. Ad. sk.	Labrador.	Gould Coll.
s''. Ad. sk.	New Jersey, April (*Heerman*).	Seebohm Coll.
t'', *u''*. ♂ ad.; *v''*–*y''*. ♀ ad. sk.	San Francisco Bay, California, Oct. (*Hensh. Coll.*).	Salvin-Godman Coll.
z''. Juv. sk.	U.S. Colombia.	Seebohm Coll.
*a*³. Ad. sk.	Coquimbo, Chili, Nov. (*A. H. Markham*).	Salvin-Godman Coll.
*b*³. Ad. sk.	Chili (*A. H. Markham*).	Salvin-Godman Coll.
*c*³. Ad. sk.	Chili, Dec. 5.	Dr. R. A. Philippi [P.].
*d*³. Ad. sk.	Chili (*J. G. Fanshawe*).	Seebohm Coll.
*e*³. ♂ ad. sk.	Off Juan Fernandez (*Fairmaire*).	Seebohm Coll.
*f*³, *g*³. Ad. sk.	Argentine Republic.	Seebohm Coll.
*h*³. Skeleton.		Purchased.
*i*³. Sternum.		

78. PHALAROPUS.

	Type.
Phalaropus, *Briss. Orn.* vi. p. 12 (1760).....	P. hyperboreus.
Phalaropus, *Illiger*, *Prodr.* p. 267 (1811)	P. hyperboreus.
Lobipes, *Cuvier*, *Règne Anim.* p. 495 (1817)....	P. hyperboreus.

Range. The same as that of the single species of the species.

1. Phalaropus hyperboreus *.

The Coot-footed Tringa, *Edwards, Nat. Hist. B.* i. p 46, pl. 46 (at sea, off coast of Maryland).

---

* The American ornithologists have adopted the name of *lobatus*, Linn., for the present species. This is taken from the tenth (1758) edition of the 'Systema Naturæ,' and it is also the *Tringa lobata* of the twelfth edition. Here, however, is given the name of *Tringa hyperborea*, which, in my opinion, it is wise to adopt, as the name of *lobatus* has been applied to the Grey Phalaropes so often, that even at the present day its adoption seems certain to create confusion.

The Cock Coot-footed Tringa, *Edwards, t. c.* p. 143, pl. 143 (1750).
Le Phalarope cendré, *Briss. Orn.* vi. p. 15 (1760); *Buff. Hist. Nat. Ois.* vii. p. 224 (1781).
Le Phalarope brun, *Briss. t. c.* p. 18 (1760).
Tringa lobata, *Linn. Syst. Nat.* i. p. 149 (1766: winter plumage); *Gm. Syst. Nat.* i. p. 674 (1788).
Tringa hyperborea, *Linn. t. c.* p. 249 (1766: summer plumage); *Gm. Syst. Nat.* i. p. 657 (1788).
Phalaropus hyperboreus, *Tunst. Orn. Brit.* p. 3 (1771); *Lath. Ind. Orn.* ii. p. 775, cum var. *β.* p. 776 (1790); *Temm. Man.* 1818, p. 47, 1820, p. 709; *Leach, Syst. Cat. Mamm. etc. Brit. Mus.* p. 34 (1816: Orkneys); *Werner, Atlas, Pinnatipedes*, pl. iii. (1827); *Swains. & Rich. Fauna Bor.-Amer., Birds*, p. 466 (1836: Great Slave Lake, June); *Audub. Orn. Biogr.* iii. p. 118, pl. 215 (1835); *Gould, B. Eur.* iv. pl. 336 (1837); *Audub. Orn. Biogr.* v. p. 595 (1839); *Crespon, Orn. Gard.* p. 400 (1840); *Nordm. in Demid. Voy. Russ. Merid.* iii. p. 249 (1840: Odessa, March); *Hewits. Eggs Brit. B.* ii. pl. xcii. fig. 2 (1846); *Gray, Gen. B.* iii. p. 580 (1848); *Baird, Cassin, & Lawr. B. N. Amer.* p. 706 (1858); *Gray, P. Z. S.* 1858, p. 188 (Aru Isl.); *id. Cat. Mamm. & B. New Guinea*, p. 52 (1859); *Sunder. Sc. Fugl* pl. xli. figs. 4, 5 (1860); *Sel & Salv. Ibis*, 1860, p. 277 (Duenas, Guatemala, Aug.); *Reinh. Ibis*, 1861, p. 11 (Greenland); *Newt. in Baring-Gould's 'Iceland,'* p. 412 (1863: breeding); *Gray, Cat. Brit. B.* p. 176 (1863); *Blakist. Ibis*, 1863, p. 130 (Hudson's Bay, autumn; Mackenzie River); *Jerd. B. Ind.* iii. p. 636 (1864: Madras); *Schl. Mus. Pays-Bas, Scolopaces*, p. 58 (1864); *More, Ibis*, 1865, p. 439; *Finsch, New-Guinea*, p. 182 (1865); *Baird, Ibis*, 1867, p. 287; *Dyb. J. f. O.* 1868, p. 338 (Dauria); *Brown, Ibis*, 1868, p. 424 (Vancouver Isl.); *Dixon & Buckley, Ibis*, 1870, p. 332 (Bosphorus); *Gray, Hand-l B.* iii. p. 55, no 10361 (1871); *R. Gray, B. West. Scotl.* p. 329 (1871: Outer Hebrides, breeding); *Harting, Handb. Brit. B.* p. 50 (1872); *Dyb. J. f. O.* 1873, p. 102 (Barnaul); *Sel. & Salv. Nomencl. Av. Neotr.* p. 144 (1873); *Dresser, B. Eur.* vii. p. 507, pl. 557, pl. 559, fig. 2 (1874); *Fallon Ois. Belg.* p. 188 (1875); *Dyb. J. f. O.* 1875, p. 256 (Ussuri); *Cordeaux, Ibis*, 1875, p. 185 (Helgoland); *Dresser, Ibis*, 1876, p. 411 (Turkestan); *Ellis' Eastl. Persia*, ii. p. 284 (1876: Teheran, March); *Seeb. & Harvie-Brown, Ibis*, 1876, p. 280 (Petchora R., breeding); *Tacz. Bull. Soc. Zool. France*, i. p. 251 (1876), ii. p. 157 (1877: Poland); *id. P. Z. S.* 1877, p. 329 (Chorillos, Peru); *Sel. P. Z. S.* 1878, p. 579 (at sea, off Humboldt Bay, Feb.); *Maynard, B. East. N. Amer.* p. 371 (1879); *Seeb. Ibis*, 1879, p. 155 (R. Kuvarvika, June); *id. P. Z. S.* 1879, p. 764 (Atrack River); *Finsch, Verh. z.-b. Ges. Wien*, xxix. p. 255 (1879: Schtschutschja, June); *Sel Rep. Voy 'Challenger,'* ii. *Birds*, p. 116 (1881); *Engl. Ibis*, 1881, p. 209 (Gensan); *Blakist. & Pryer, Tr. As. Soc. Japan*, 1882, p. 114; *Seeb. Ibis*, 1882, p. 223 (Astrachan, on passage; Kirghis Steppes, June, July), p. 381 (Archangel), p. 425 (Samarkand, winter); *id. Ibis*, 1883, p. 31 (Caspian Sea); *B. O. U. List Brit. B.* p. 164 (1883); *Booth. Rough Notes*, ii. pl. 29 (1883); *Severtz. Ibis*, 1883, p. 75 (Pamir, Sept.); *Saunders, el. Yarr. Brit. B.* ii. p. 315 (1883); *Blakist. Amended List B. Japan*, p. 21 (Japan generally); *Seeb. Ibis*, 1884, p. 267 (Kiukiang, Aug.); *id. Hist. Brit. B.* iii. p. 89 (1885); *Cat. Zeitschr. ges. Orn.* i. pp. 18, 22 (1884: Siebenbürgen); *Murray, Vertebr. Faun. Sind*, p. 253 (1884); *Finsch, Voy. der Sudsee*, pp. 5, 22 (1884: New Britain); *Chapm.*

Ibis, 1885, p. 171 (R. Pulmakelf, Lapland, June, breeding); *Gigl. Avif. Ital.* p. 382 (1886); *id. op. cit.* 1st *Resoc.* i. p. 584 (1889), ii. p. 659 (1890); *Tacz. Orn. Pérou*, iii. p. 381 (1886: Tumbez); *Pleske, Uebers. Säug. u. Vög. Kola-Halbinsel*, p. 333 (1886); *id. Mém. Acad. Imp. St. Pétersb.* (7) xxxvi. p. 50 (1888: Tschinas, Sept.); *Seeb. Geogr. Distr. Charadr.* p. 340 (1888); *Saunders, Man. Brit. B.* p. 551 (1889); *Sharpe, Trans. Linn. Soc.* (2) *Zool.* v. pt. 3, p. 89 (1889: N. Afghanistan); *St. John, Ibis*, 1889, p. 177 (Chaman, Oct.); *Reichen. Syst. Verz. Vög. Deutschl.* p. 50 (1889); *Seeb. B. Japan. Emp.* p. 318 (1890: Japan, winter; Kuriles); *id. Ibis*, 1890, p. 403 (Iceland); *Brusina, Motr. etc. (Orn. Croatica)*, p. 88 (1890); *Buckley & Harvie-Brown, Vertebr. Faun. Orkney Isl.* p. 207 (1891: breeding); *Merriam, N. Amer. Faun.* no. 5, p. 91 (1891: Idaho); *Madarász, Erläut. Ausst. Ungar. Vogelf.* p. 112 (1891: Veleneze Lake; Transylvania); *Frivaldsky, Av. Hung.* p. 151 (1891); *Seeb. Ibis*, 1892, p. 25 (Heligoland); *Blagg, Ibis*, 1893, p. 356 (Shetland Islands, breeding); *Blaauw, Notes Leyden Mus.* xv. p. 227 (1893); *Pearson & Bidwell, Ibis*, 1894, p. 234 (N. Norway, breeding); *Whitaker, Ibis*, 1895, p. 106 (Tunis); *H. J. & C. E. Pearson, Ibis*, 1895, pp. 245, 248 (Iceland, June, breeding); *H. J. Pearson, Bull. B. O. Club*, iv. p. xxviii (1895); *id. Ibis*, 1895, p. 379; *Sel. Ibis*, 1896, p. 156; *Pearson, t. c.* p. 212 (Russian Lapland), p. 218 (Kolguev); *Blanf. t. c.* p. 288 (Indian Seas); *Sharpe, Handb. Brit. B.* iii. p. 197 (1896); *Poynt. Eggs Brit. B.* part iii. (1896).

Phalarope de Sibirie, *Daubent. Pl. Enl.* ix. pl. 766.

Red Phalarope, male, *Lath. Gen. Syn.* iii. pt. 1, p. 270 (1785).

Red Phalarope, var. A, *Lath. t. c.* p. 272 (1785).

Brown Phalarope, *Lath. t. c.* p. 274 (1785).

Tringa fusca, *Gm. Syst. Nat.* i. p. 675 (1788).

Phalaropus fuscus, *Lath. Ind. Orn.* ii. p. 776 (1790).

Phalaropus vulgaris, *Bechst. Orn. Taschenb.* ii. p. 317 (1803).

Phalaropus williamsii, *Simmonds, Trans. Linn. Soc.* viii. p. 264 (1807).

Phalaropus cinereus, *Meyer, Taschenb.* ii. p. 417 (1810); *Roux, Orn. Provenç.* pl. 337 (1825); *Schl. Rev. Crit.* p. xciv (1844); *Middend. Reis. Sibir., Zool.* p. 215 (1851: S.E. Siberia, breeding; Taimyr River, 73¾° N. lat., June; Boganida R., 70° N. lat., June); *Kjærb. Orn. Dan.* pl. li. A. fig. 1, *Suppl.* pl. xxxiii. figs. 1, 2 (1854); *Jaub. & Barth.-Lapomm. Rich. Orn.* p. 499 (1859); *Schrenck, Reis. Amurl.* p. 418 (1859: Komar River, Sept.); *Borggr. Vogelf. Norddeutschl.* p. 115 (1869); *Heugl. Ibis*, 1872, p. 63 (Waigatz Island); *Finsch, Verh. z.-b. Ges. Wien*, xxii. pp. 253, 272 (1872: off Corea); *id. Ibis*, 1877, p. 58 (River Ob); *E. Adams, Ibis*, 1878, p. 438 (Norton Sound, June); *Irby, Ibis*, 1883, p. 187 (Santander, Dec.); *Bogd. Consp. Av. Imp. Ross.* p. 80 (1884); *Radde, Orn. Cauc.* p. 425 (1884: Lenkoran; Tiflis; breeding?).

Phalaropus ruficollis, *Pall. Zoogr. Rosso-Asiat.* ii. p. 203 (1811: Caspian Sea).

Phalaropus cinerascens, *Pall. t. c.* p. 204 (1811).

Lobipes hyperboreus, *Steph. in Shaw's Gen. Zool.* xii. pt. 1, p. 169 (1824); *Brehm, Vög. Deutschl.* p. 676 (1831); *Ménétr. Cat. rais. Cauc.* p. 52 (1832: Caspian Sea; Lenkoran, June); *Bp. Comp. List B. Eur. & N. Amer.* p. 54 (1838); *Audub. Syn.* p. 240 (1839); *id. B. Amer.* v. p. 295, pl. 340 (1842); *Selys-Longch. Faun. Belge*, p. 124 (1842); *Gray, List Gralle Brit. Mus.* p. 108 (1844); *Giraud, B. Long Isl.* p. 248 (1844); *Macgill. Hist. Brit. B.* iv.

p. 291 (1852); *Bp. C. R.* xxxviii. p. 664 (1854: Nicaragua); *Blyth, Ibis*, 1859, p. 404 (Madras); *Swinh. Ibis*, 1861, p. 412 (Amoy), 1863, p. 415 (Formosa, Nov., March); *Blyth, Ibis*, 1867, p. 160; *Loche, Expl. Sci. Algér., Ois.* ii. p. 289 (1867); *Dall & Bann. Trans. Chic. Acad.* i. p. 280 (1869: Alaska, breeding); *Swinh. Ibis*, 1870, p. 393 (Hainan; Luichow Peninsula, April); *id. P. Z. S.* 1871, p. 408; *Walden, Tr. Z. S.* viii. p. 97 (1872: Celebes); *Coues, Key N. Amer. B.* p. 248 (1873); *Elliott, Rep. Prybilov Group*, no. 410 (1873: Yukon and Anderson Rivers, breeding); *Gould, B. Gt. Brit.* iv. pl. 83 (1873); *Adam, Str. F.* ii. p. 338 (1874; Sambhur); *Salvad. Ucc. Born.* p. 321 (1874); *Dall, Notes Arif. Aleut. Isl.* p. 5 (1874: Kyska, June 30); *Coues, B. N.-West*, p. 409 (1874); *Swinh. Ibis*, 1875, p. 455 (Hakodate); *Lawr. Bull. U.S. Nat. Mus.* iv. p. 46 (1876: Tehuantepec, Oct.); *David & Oust. Ois. Chine*, p. 482 (1877: Takow, Nov.); *Butler, Str. F.* v. p. 280 (1877: Mekran Coast); *Coues, Bull. U.S. Geol. Surv.* ii. p. 637 (1878: Lat. 49°, Aug.); *Hume, Str. F.* vii. p. 487 (1878), viii. p. 113 (1879); *Butler, Cat. B. Sind etc.* p. 64 (1879); *id. Cat. B. S. Bomb. Pres.* p. 100 (1880); *Salvad. Orn. Papuasia etc.* iii. p. 311 (1882); *Coues, Check-l. N. Amer. B.* p. 160 (1882); *Elliott, Rep. Fur-Seal Isl. Alaska*, p. 120 (1882); *Nelson, Cruise R. S. 'Corwin,'* p. 91 (1883: Coasts of Alaska; Aleutian Islands, breeding); *Stearns, New Engl. Bird-life*, ii. p. 187 (1883); *Coues, Key N. Amer. B.* 2nd ed. p. 613 (1884); *Murdoch, Rep. Exped. Pt. Barrow*, p. 115 (1885); *Salvad. Elench. Ucc. Ital.* p. 216 (1887); *Schalow, J. f. O.* 1891, p. 201 (Kurile); *Salvad. Agg. Orn. Papuasia*, iii. p. 201 (1891).

Phalaropus angustirostris, *Naum. Vög. Deutschl.* viii. p. 240, pl. 205 (1836); *Severtz. Turkest. Jevotn.* p. 69 (1873); *Finsch, Ibis*, 1881, p. 540 (New Britain); *Gätke, Vogelw. Helgol.* p. 829 (1891).

Phalaropus lobipes, *Keys. u. Blas. Wirb. Eur.* pp. lxxiii, 212 (1840).

The Red-necked Phalarope, *Yarrell, Brit. B.* iii. p. 48 (1843).

Phalaropus australis, *Temm. Mus. Lugd.*; *Bp. C. R.* xliii. p. 421 (1856).

Phalaropus moluccensis, *Temm. Mus. Lugd. teste Schl. Mus. Pays-Bas*, Scolopaces, p. 69 (1864).

Phalaropus fulicarius (*nec L.*), *Fritsch, Vog. Eur.* tab. 39. fig. 5 (1871).

Phalaropus lobatus, *Salvad. Faun. Ital., Ucc* p. 210 (1871); *Brüggem. Abhandl. nat. Ver. Bremen*, v. p. 96 (1876: Celebes); *Stejn. Bull. U.S. Nat. Mus.* no. 29, p. 139 (1885: Bering Island, breeds); *A. O. U. Check-l. N. Amer. B.* p. 145 (1886); *Turner, Contr. N. H. Alaska*, p. 146 (1886: breeding); *Nelson, Rep. N. H. Coll. Alaska*, p. 99 (1887: breeding); *Ridgw. Man. N. Amer. B.* p. 145 (1887); *Warren, B. Pennsylv.* p. 235 (1888); *Merriam, N. Amer. Faun* no. 3, p. 88 (1890); *Thomps. Proc. U.S. Nat. Mus.* xiii. p. 470 (1891: Manitoba); *Macfarl. Proc. U.S. Nat. Mus.* xiv. p. 425 (1891); *Stejn. t. c.* p. 492 (Japan); *Todd, Auk*, viii. p. 240 (1891: Pennsylvania, Sept.); *Eastm. t. c.* p. 310 (Massachusetts, Sept.); *Shufeldt, t. c.* p. 397 (Oregon, fossil); *Mackay, Auk*, ix. p. 286 (1892: Massachusetts); *Miller, t. c.* p. 260; *Hartert, Ibis*, 1892, p. 516 (E. Prussia); *Allen, Auk*, x. p. 123 (1893); *Richm. & Knowt. Auk*, xi. p. 303 (1894: Montana, Sept.); *Coues, Auk*, xii. p. 339 (1895: Heligoland); *Elliot, N. Amer. Shore-Birds*, p. 25, fig. 3 (1895); *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 82 (1895).

Phalaropus fulicarius (*L.*), *Hume, Ibis*, 1872, p. 409 (Sind); *id. Str.*

F. i. pp. 144, 245 (1878: between Gwadar & Muscat); *id. Str. F.* vii. p. 487 (1878).

Phalaropus asiaticus, *Hume, Str. F.* i. p. 246 (1873: between Gwadar & Muscat).

Lobipes tropicus, *Hume, Str. F.* i. p. 247 (1873: Karachi).

Lobipes lobatus, *Baird, Brewer, & Ridgw. Water-B. N. Amer.* i. p. 330 (1884).

Adult female in breeding-plumage. General colour above dark slaty grey, with a band of sandy buff down each side of the mantle; lower back, rump, and upper tail-coverts slaty blackish, with white margins, some of the lateral tail-coverts for the most part white with blackish spots; wing-coverts slaty black, the greater series tipped with white, forming a band; bastard-wing and inner primary-coverts tipped with white like the greater coverts; primary-coverts and quills blackish, the primaries with white shafts; the secondaries edged with white, the median ones, for the most part white on the inner web also; scapulars lengthened like the inner secondaries, and most of them externally spotted with sandy buff, forming a parallel band to the band which skirts the mantle; tail slaty blackish, the feathers narrowly fringed with white; crown of head, nape, and hind-neck dark slaty grey, as also the lores, feathers below the eye, and ear-coverts; cheeks and throat pure white; entire lower throat bright ferruginous, this colour extending over the sides of the neck to behind the ear-coverts; the fore-neck mottled with slaty grey, which colour extends over the upper breast, where it is slightly tinged with rufous; remainder of under surface of body from the fore-neck downwards pure white, the entire sides of body being streaked with ashy centres to the feathers; under tail-coverts white, the longer ones mottled with ashy-grey spots near the tips; under wing-coverts white, the feathers round the bend of the wing dusky, with white tips; quills dusky below, ashy along the inner web. Total length 7 inches, culmen 0·9, wing 4·35, tail 1·85, tarsus 0·75, middle toe and claw 0·8.

The summer plumage of the male appears to me to be wholly gained by a change in the pattern of the feather, which darkens in the centre, the white edge gradually becoming obsolete. So far I have not been able to discover any sign of a spring moult, but many nesting birds still retain traces of white margins to the feathers, especially on the inner secondaries.

Adult male in breeding-plumage. Similar to the female, but not quite so brightly coloured, the rufous of the neck not being so strongly developed and not extending across the lower throat, this part, as well as the fore-neck and the sides of the breast, being dark slaty grey, mostly with whitish edgings to the feathers: "bill black: feet greyish blue, the outer aspect of tarsus, outer toe and the joints darker; soles and outer web blackish; iris dark brown" (*L. Stejneger*). Total length 6·8 inches, culmen 0·9, wing 4·2, tail 1·7, tarsus 0·75, middle toe and claw 0·75.

Young. General colour above blackish, streaked with dark ochreous, the feathers of the back being of this colour with black centres; lower back and rump slaty blackish; the upper tail-

coverts with ochreous margins; wing-coverts entirely slaty blackish, with whitish margins to the median series, the greater series being broadly tipped with white; quills as in the adult; the innermost secondaries and scapulars broadly edged with ochreous buff; tail as in the adult, the centre feathers edged with ochreous, the outer ones with white; crown of head and hind-neck dull slaty blackish, a little clearer on the latter; forehead, sides of face, and a broad eyebrow white; feathers in front of the eye and ear-coverts slaty blackish; cheeks and under surface of body white, dusted with ashy brown on the fore-neck, chest, and sides of body: "bill blackish; feet flesh-colour, outer aspect and joints dark greyish: iris hazel" (*L. Stejneger*).

The young birds seem occasionally to commence their moult before leaving their northern quarters, but, as a rule, the moult takes place in their winter home.

The *winter plumage* of adults and young birds is alike. The upper surface is pearly grey or light ashy, with a white edging to every one of the feathers, especially distinct on the scapulars and inner secondaries. The entire under surface and nearly the whole of the head is pure white, mottled with a few ashy tips to the feathers of the hinder crown; the nape somewhat blackish: lores white, as well as the eyebrow; feathers in front of the eye and round the latter, as well as the ear-coverts, black, forming a conspicuous patch: "bill blackish; feet lavender-blue; iris brownish black" (*E. A. Butler*).

Hab. Arctic regions of both hemispheres, but nesting more to the southward than the Grey Phalarope, breeding in the Shetlands, the Orkneys, and the Outer Hebrides, Iceland, the Færoes, and Southern Greenland.

a. Ad. sk.	Færoe Islands.	Capt. Savile Reid [P.].
b. Ad. sk.	Shetland Islands.	Harting Coll.
c. Ad. sk.	Orkneys.	Old Coll.
d, *e*. Juv.; *f*, *g*, *h*. Ad. sk.	Orkneys.	Salvin-Godman Coll.
i. ♀ ad. sk.	Outer Hebrides, June 13.	Col. Irby [P.].
k. ♂ ad. sk.	Benbecula, June (*H. J. Elwes*).	Seebohm Coll.
l. ♀ ad. sk.	North Uist, June 1 (*T. Walker*).	Seebohm Coll.
m. Juv. sk.	Isle of Grain, Sept. 26 (*R. G. W. R.*).	Tweeddale Coll.
n, *o*. Ad.; *p*. Juv. st.	London Market.	Purchased.
q, *r*, *s*. ♂ ad. sk.	Vadsö, Norway, June 28.	Seebohm Coll.
t, *u*. ♂ ♀ ad.; *v*, *w*. Pull. sk.	Nijborg, Varangerfjord, Norway, July 27.	Prof. Collett [P.].
x. ♂ ad. sk.	Sweden (*H. Wheelwright*).	Seebohm Coll.
y. Ad. sk.	Kautokeino, Lapland (*F. Godman*).	Salvin-Godman Coll.
z. Ad. sk.	Lapland.	Seebohm Coll.
a'. ♂ ad. sk.	Quickiock, Lapland, June 16 (*H. Wheelwright*).	Gould Coll.

b'. Ad. sk.	Quickiock, Lapland, July 8.	Hume Coll.
c', *d'*. ♂ ad.; *e'*. *f'*. ♀ ad.; *g'*, *h'*. ♂ ♀ juv.; *i'*. Pull. sk.	Lower Petchora River, N. Russia, June (*H. S. & J. A. H.-B.*).	Seebohm Coll.
k'. ♀ juv. sk.	S.E. Russia.	Seebohm Coll.
l'–*q'*. ♂ ad.; *r'*, *s'*. ♀ ad.; *t'*. Pull. sk.	Valley of the Yen-e-sei, lat. 66½°, June (*H. S.*).	Seebohm Coll.
u'. ♀ ad. sk.	Kirghiz Steppes, June 21 (*Henke*).	Seebohm Coll.
v', *w'*. Ad. sk.	Samarkand, April.	Seebohm Coll.
x'. ♀ ad. sk.	Saraks, May 25.	Seebohm Coll.
y'. ♂ ad. sk.	Schtschutschja, July 21.	Dr. O. Finsch [C.].
z'. ♀ ad. sk.	Pamir, June 27.	St. George Littledale, Esq. [P.].
a''. Ad. sk.	Near Teheran, Persia, March 28.	Sir O. St. John [C.].
b''. ♀ ad. sk.	Between Gwadar & Muscat, Feb. 21 (*A. O. H.*).	Hume Coll. (Type of *P. asiaticus*, Hume.)
c''–*g''*. ♂ ♀ ad. et imm. sk.	Mekran Coast, May (*E. A. Butler*).	Hume Coll.
h''. Juv. sk.	Karachi, Sind (*E. James*).	Hume Coll. (Type of *L. tropicus*, Hume.)
i''. ♂ juv. sk.	Bund, N. Afghanistan, Oct. 2.	Dr. Aitchison [C.].
k''. ♂ juv. sk.	Kandahar, Sept. 14 (*Sir O. St. John*).	Hume Coll.
l''. ♂ juv. sk.	Gulistan Karez, Sept. 23 (*Sir O. St. John*).	Hume Coll.
m''. ♂ ad. sk.	Chaman, S. Afghanistan, Sept. 29 (*Sir O. St. John*).	Hume Coll.
n'', *o''*, *p''*. ♀ imm. sk.	Sambhur Lake, N.W. India, Sept. 25 (*R. M. Adam*).	Hume Coll.
q'', *r''*. ♀ ad. sk.	Sultanpur, Gurgaon, May, June (*W. N. Chill*).	Hume Coll.
s'', *t''*, *u''*. ♂ ♀ juv. sk.	Madras, Sept., Oct.	Hume Coll.
v''. Juv. sk.	S. Yezo, Japan, Aug. (*Blakiston*).	Seebohm Coll.
w''. Juv. sk.	S. Yezo, Japan, Aug. (*Blakiston*).	Tweeddale Coll.
x''. Ad. sk.	Hakodadi, May (*Blakiston*).	Seebohm Coll.
y''. Ad. sk.	Yokohama (*H. Pryer*).	Seebohm Coll.
z''. Ad. sk.	Kurile Islands (*Snow*).	Seebohm Coll.
*a*³, *b*³. Ad. hiem. sk.	At sea, off Humboldt Bay, Feb. 22.	Voy. H.M.S. 'Challenger.'
*c*³, *d*³. Ad. sk.	Amoy, China, April, May (*R. S.*).	Seebohm Coll.
*e*³. Juv. sk.	Ningpo, Sept. (*R. S.*).	Seebohm Coll.
*f*³. Ad. sk.	Luichow, April (*R. S.*).	Seebohm Coll.
*g*³. Ad. sk.	N. Formosa, March (*R. S.*).	Seebohm Coll.
*h*³. Ad. sk.	Takow, S. Formosa, April 1 (*R. S.*).	Seebohm Coll.
*i*³. Ad. sk.	Menado, Celebes.	Tweeddale Coll.
*k*³, *l*³. ♀ ad. hiem. sk.	Aru Islands.	Wallace Coll.
*m*³. ♀ ad. sk.	Amboina, March 25 (*Hoedt*).	Seebohm Coll.
*n*³. Ad. sk.	Arctic America.	Sir G. Back [P.].

o^3. ♂ ad. sk.	Fort Anderson, Arctic America, June (*R. MacFarlane*).	Salvin-Godman Coll.
p^3. Ad. sk.	Prince William's Sound, Alaska.	Sir E. Belcher [P.].
q^3, r^3, s^3. ♂ ad.; t^3, u^3. ♀ ad. sk.	St. Michael's, Alaska, June, July (*E. W. Nelson*: *Henshaw Coll.*).	Salvin-Godman Coll.
v^3. Juv. sk.	N.W. America.	Capt. Kellett & Lieut. Wood [P.].
w^3. Ad. sk.	North of Rupert House, June 18 (*C. Drexler*).	Salvin-Godman Coll.
x^3, y^3. Juv. sk.	Vancouver Island.	J. K. Lord, Esq. [P.].
z^3, a^4. Juv. sk.	British Columbia.	J. K. Lord, Esq. [P.].
b^4, c^4. Ad. sk.	Shoalwater Bay, Washington Territory (*Dr. Heermann*).	Seebohm Coll.
d^4, e^4. Ad. sk.	Hudson's Bay, May 30.	Dr. Rae [P.].
f^4. Ad. sk.	Albany River.	J. Branston, Esq. [P.].
g^4, h^4. Ad. sk.	Labrador.	Gould Coll.
i^4, k^4. Ad. sk.	Labrador.	Salvin-Godman Coll.
l^4. Ad. sk.	Greenland.	Tweeddale Coll.
m^4. Ad. sk.	Greenland.	Hume Coll.
n^4. ♂ juv. sk.	Lyons Falls, New York, Sept. 6 (*A. J. Dayan*: *Hensh. Coll.*).	Salvin-Godman Coll.
o^4, p^4. ♂ juv.; q^4. ♀ juv. sk.	Massachusetts, Sept. 18 (*Hensh. Coll.*).	Salvin-Godman Coll.
r^4. Juv. sk.	Gibson, Indiana, Sept. (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
s^4, t^4. ♂ ad.; u^4, v^4. ♀ ad. sk.	Washoe Lake, Nevada, May 30 (*Hensh. Coll.*).	Salvin-Godman Coll.
w^4. Juv. sk.	California.	Gould Coll.
x^4 c^5. ♂ juv.; d^5. ♀ juv. sk.	San Francisco, California, Sept. 19 (*Hensh. Coll.*).	Salvin-Godman Coll.
e^5-h^5. ♂ juv. sk.	Monterey, California, Sept. (*Hensh. Coll.*).	Salvin-Godman Coll.
i^5, k^5. Imm. sk.	Mexico.	Salvin-Godman Coll.
l^5, m^5. ♂ ad.; n^5, o^5. ♀ ad. sk.	Dueñas, Guatemala, Aug., Sept. (*O. S.*).	Salvin-Godman Coll.
p^5. Juv. sk.	Guatemala.	Gould Coll.

79. STEGANOPUS.

	Type.
Steganopus, *Vieill. N. Dict. d'Hist. Nat.* xxxii. p. 136 (1819)	S. tricolor.
Holopodius, *Bp. Ann. Lyc. N. Y.* ii. p. 342 (1828)	S. tricolor.

Range. The same as that of the single species.

1. Steganopus tricolor.

Chorlito tarso comprimido, *Azara*, *Apunt.* iii. p. 327 (1802: Paraguay).

Phalaropus lobatus (*nec L.*), *Wilson*, *Amer. Orn.* ix. p. 72, pl. 73. fig. 3 (1814); *Hartl. Ind. Azara*, p. 26 (1847).

Steganopus tricolor, *Vieill. N. Dict. d'Hist. Nat.* xxxii. p. 136 (1819); *A. O. U. Check-l. N. Amer. B.* p. 146 (1886).

Phalaropus wilsoni, *Sabine in Frankl. Narr. Journ. Polar Sea*, i. App. p. 691 (1823: Cumberland House); *Swains. & Rich. Faun. Bor.-Amer.* ii. p. 405, pl. 69 (1831: Saskatchewan, north to 55°; breeding); *Audub. B. Amer.* pl. cccliv.; *id. Orn. Biogr.* iii. p. 400 (1835); *Fraser, P. Z. S.* 1843, p. 118 (Chili); *Gray & Mitchell, Gen. B.* iii. p. 586, pl. 158 (1848); *Baird, Cass., & Lawr. B. N. Amer.* p. 705 (1858); *Schl. Mus. Pays-Bas*, Scolopaces, p. 60 (1864); *Scl. P. Z. S.* 1864, p. 179 (City of Mexico); *Dresser, Ibis*, 1863, p. 35 (San Antonio, Texas, July); *Lawr. Ann. Lyc. N. Y.* viii. p. 295 (1866: New York); *Coues, Ibis*, 1866, p. 263 (Colorado River); *Salvin, Ibis*, 1866, p. 198 (Guatemala); *Pelz. Orn. Bras.* p. 313 (1871: Caiçara); *Gray, Hand-l. B.* iii. p. 55, no. 10362 (1871); *Allen, Bull. Mus. C. Z. Cambr.* iii. p. 182 (1872: Great Salt Lake); *Scl. & Salv. Nomencl. Av. Neotr.* p. 144 (1871); *Snow, B. Kansas*, p. 10 (1873); *Durnf. Ibis*, 1877, p. 42 (Chupat), p. 178 (Buenos Ayres, Feb.); *Maynard, B. East. N. Amer.* p. 370 (1879); *Seebohm, Geogr. Distr. Charadr.* p. 342 (1888); *Scl. & Hudson, Argent. Orn.* ii. p. 180 (1889: Mendoza); *Scl. Bull. Brit. Orn. Club*, iv. p. vi (1894: Falkland Is.); *id. Ibis*, 1895, p. 145.

Lobipes wilsoni, *Steph. in Shaw's Gen. Zool.* xii. pt. 1, p. 167 (1824); *Jard. ed. Wils. Amer. Orn.* iii. p. 190, pl. 73. fig. 3 (1832); *Audub. Syn.* p. 241 (1839); *id. B. Amer.* v. p. 299, pl. 341 (1842); *Giraud, B. Long Isl.* p. 246 (1844).

Phalaropus fimbriatus, *Temm. Pl. Col.* v. pl. 370 (1825).

Phalaropus frenatus, *Vieill. Gal. Ois.* ii. p. 178 (1826); *Pelz. Reis. Novara, Vög.* p. 132 (1865: Chili).

Lobipes incanus, *Jard. & Selby, Ill. Orn.* i. pl. 16 (c. 1826: Mexico).

Lobipes frenatus, *Cuv. Règne Anim.* i. p. 532 (1829).

Phalaropus stenodactylus, *Wagler, Isis*, 1831, p. 523 (Mexico).

Holopodius wilsoni, *Bp. Comp. List B. Eur. & N. Amer.* p. 54 (1838); *id. C. R.* xliii. p. 420 (1856).

Steganopus wilsoni, *Coues, Ibis*, 1865, p. 158 (Fort Riley); *id. Proc. Philad. Acad.* 1866, p. 97 (Colorado River); *Allen, Mem. Bost. Soc.* p. 501 (1868: W. Iowa, Aug., Sept.); *Coues, Key N. Amer. B.* p. 248 (1872); *id. B. N.-West*, p. 467 (1874); *Hensh. Rep. Zool. Expl. 100th Merid.* p. 451 (1875: S.E. Arizona); *Coues, Bull. U.S. Geol. Surv.* iv. p. 636 (1878: Red River and Rocky Mts.; breeding); *id. Check-l. N. Amer. B.* p. 99 (1882); *Stearns, N. Engl. Bird-life*, ii. p. 184 (1883); *Coues, Key N. Amer. B.* 2nd ed. p. 612 (1884); *Baird, Brewer, & Ridgw. Water-B. N. Amer.* i. p. 335 (1884).

Phalaropus tricolor, *Stejn. Auk*, ii. p. 183 (1885); *Ridgw. Man. N. Amer. B.* p. 145 (1887); *Warren, B. Pennsyl.* p. 235 (1888); *Thomps. Proc. U.S. Nat. Mus.* xiii. p. 497 (1891: Manitoba); *Merriam, N. Amer. Faun.* no. 5, p. 91 (1891: Idaho); *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 83 (1895); *Elliot, N. Amer. Shore-Birds*, p. 29, fig. 4 (1895).

Adult female in breeding-plumage. General colour above light grey in the middle of the back, with a broad streak of vinous chestnut on each side of the mantle; scapulars for the most part dark vinous chestnut, forming a broad streak on each side of the back; lower back and rump brown, the sides of the rump white;

upper tail-coverts dusky brown, irregularly mottled and edged with white, the longer ones centred with pale rufous, the lateral ones pure white; wing-coverts uniform dull brown, with a narrow white edging to the greater coverts; bastard-wing and primary-coverts like the wing-coverts; quills also dusky brown, with light brown shafts; the first primary with a white shaft; centre tail-feathers ashy brown, the remainder ashy brown, more or less white on the inner web, the white increasing in extent towards the outermost rectrices, which have little more than the outer web ashy; crown of head uniform pearly grey; occiput, nape, and hind-neck white; lores grey like the head, followed by a white ante-ocular spot, which is surrounded by a black margin; upper eyelid also white; lower eyelid black like the feathers in front of the eye and below the latter, which form part of a black band formed by the ear-coverts and the sides of the neck and the sides of the crown, extending to the sides of the neck, and even overspreading the sides of the neck, which are deep vinous chestnut, this colour being continued with a broad rufous line on each side of the mantle; cheeks, chin, and upper throat white; lower throat clear ferruginous or chestnut, sharply defined on its upper margin, and becoming paler on the fore-neck and sides of breast; centre of fore-neck, breast, and under surface of body pure white; under wing-coverts and axillaries also white, the feathers round the edge of the wing ashy brown; quills below dusky brown, slightly paler along the inner web: "bill black; feet bluish grey, claws black; iris brown" (*C. J. Audubon*). Total length 9·3 inches, culmen 1·45, wing 5·5, tail 2·3, tarsus 1·35, middle toe and claw 1·15.

Adult male in breeding-plumage. Much duller in colour than the female; the mantle-feathers blackish brown, with reddish edges; the crown of the head uniform blackish, the nape white, shading off into ashy grey on the hind-neck; all the vinous parts of the upper surface indicated as in the female, but the colour never so bright and always of a dull chestnut; rump and upper tail-coverts white, with a sub-terminal line of dusky brown, forming a kind of horse-shoe mark on the feather, the lateral upper tail-coverts white; sides of the crown chestnut like the sides of the neck, slightly mixed with black, but not entirely black as in the female; under surface of body as in the female, but the rufous part duller. Total length 8·3 inches, culmen 1·25, wing 4·9, tail 1·85, tarsus 1·25, middle toe and claw 1·2.

Adult male in winter plumage. General colour above light ashy grey, with narrow white fringes to the feathers; lower back somewhat more dusky; rump and upper tail-coverts white, the longer tail-coverts ashy grey with white margins; crown of head uniform ashy grey like the neck; forehead, a broad eyebrow, sides of face, and entire under surface of body pure white; feathers in front of the eye blackish; along the top of the ear-coverts a line of ashy; sides of upper breast shaded with light ashy.

Young. Mottled on the upper surface, the feathers being blackish in the centre with light sandy-buff edges, broader and rather more

distinct on the wing-coverts, scapulars, and inner secondaries; the lower back like the rest of the upper surface; rump and upper tail-coverts white, the former with dusky centres to the feathers; tail-feathers brown, all but the centre ones white on the inner web; bastard-wing, primary-coverts, and primaries as in the adult; crown of head blackish, the feathers edged with sandy buff, the hind-neck more ashy, the feathers with dusky centres and narrow ashy-brown margins; forehead, eyebrow, sides of face, and under surface of body white, with a tinge of ashy on the eyebrow; lower throat, fore-neck, and chest, as well as the sides of the body, tinged with isabelline, the sides of the breast and flanks mottled with blackish centres to the feathers.

Young birds appear to have completed their moult into the winter plumage by the early part of September, some of them having nearly effected their first moult by the end of August. The full summer plumage must last for a very short time, as specimens killed at the end of May have scarcely yet gained full summer dress, while adult birds procured towards the end of July are already in half winter plumage.

Hab. Temperate North America, migrating south through Central America to Brazil, Patagonia, and the Falkland Islands.

a. Ad. st.	N. America.	Purchased.
b, *c*. ♂ ♀ ad. sk.	49th Parallel, June (*Prof. Dawson*).	N.A. Bound. Comm.
d, *e*. ♂ ♀ ad. sk.	Chicago, Ill. (*Hensh. Coll.*).	Salvin-Godman Coll.
f. ♂ ad. sk.	Calumet, Ill., July 5 (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
g. Juv. sk.	Ainsworth, Ill., July (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
h–*r*. ♂ ♀ ad. sk.	Waukegan, Ill., May, June (*E. W. Nelson*: *Hensh. Coll.*).	Salvin-Godman Coll.
s, *t*. ♂ ♀ ad sk.	Rochford, Ill. (*Cooke*).	Seebohm Coll.
u. ♂ ad. sk.	Englewood, Ill., June 11 (*H. K. Coale*).	Dr. R. B. Sharpe [P.].
v. ♂ juv. sk.	Lake Koskonong, S. Wisconsin.	Salvin-Godman Coll.
w, *x*. ♂ ♀ ad. sk.	Lake Co., Indiana, May (*C. E. Aiken*: *Hensh. Coll.*).	Salvin-Godman Coll.
y, *z*. ♂ ♀ ad. sk.	Carson, Nevada, May, July (*H. W. H.*).	Salvin-Godman Coll.
a'. ♀ ad. sk.	Washoe Lake, May 22 (*H. W. H.*).	Salvin-Godman Coll.
b'. ♀ ad. sk.	Colorado Springs, Colorado, July 24 (*H. W. H.*).	Salvin-Godman Coll.
c', *d'*. Juv. hiem. sk.	Cienega, Arizona, Aug. 20 (*H. W. H.*).	Salvin-Godman Coll.
e', *f'*. ♀ ad. sk.	San Antonio, Texas, July 4 (*H. E. Dresser*).	Salvin-Godman Coll.
g'–*k'*. ♂ ad; *l'*–*r'*. ♀ ad. sk.	Brownsville, Texas, March to May (*F. B. Armstrong*).	Salvin-Godman Coll.
s'–*v'*. Ad. sk.	Mexico.	Seebohm Coll.
w' x'. ♀ ad. sk.	Near the City of Mexico (*White*).	Salvin-Godman Coll.
y'. Juv. hiem. sk	Mexico, Sept. (*J. Taylor*).	Salvin-Godman Coll.

s', *s''*. Ad.; *b''*. Juv. ak.	Mexico (*Le Strange*).	Seebohm Coll.
c'', *d''*. ♂ ♀ ad. ak.	Mexico.	Tweeddale Coll.
e'', *f''*. ♂ ad. ak.	Ixtapalapa, Tlalpam, Valley of Mexico, March 4 (*Ferrari-Perez*).	Salvin-Godman Coll.
g''. ♂ ad.; *h''*, *i''*. ♀ ad. ak.	Puebla, May (*Ferrari-Perez*).	Salvin-Godman Coll.
k''–o''. ♂ ad.; *p''*. ♀ ad. ak.	Zacatecas, Aug. (*W. B. Richardson*).	Salvin-Godman Coll.
q'', *r''*. ♀ ad. ak.	Jerez, Zacatecas, Sept. (*W. B. Richardson*).	Salvin-Godman Coll.
s''. Ad. hiem. ak.	Mexico.	Jardine Coll. (Type of *Lobipes incanus*, J. & S.)
t'', *u''*. ♂ ad. ak.	Tres Marias Islands, April, May (*A. Forrer*).	Salvin-Godman Coll.
v''. Ad. ak.	Guatemala (*Constantin*).	Salvin-Godman Coll.
w''. ♂ juv. ak.	Caiçara, Brazil, Sept. 29 (*J. Natterer*).	Salvin-Godman Coll.
x''. Ad. hiem. ak.	Pampas Argentinas.	Salvin-Godman Coll.
y''. Ad. hiem. ak.	Chupat, Patagonia.	H. Durnford, Esq. [C.]

Family V. CHIONIDIDÆ.

Palate schizognathous.

Nasals holorhinal.

Basipterygoid processes and occipital foramina absent; supra-orbital impressions present.

Bill with a complex rhamphotheca.

Spinal feather-tract forked on the upper back.

Feet not webbed; only a membrane between the base of the inner and outer toe.

Hind toe present.

Tarsus reticulated on front and back.

Nest in holes or behind rocks.

Eggs one to three in number; very similar to those of Oyster-catchers, but thickly blotched with purple.

Nestling covered with greyish down.

Cf. Seebohm, Class. B. p. 37; Stejneger, Standard Nat. Hist., Birds, p. 92; Sharpe, Classif. B. p. 72; Shufeldt, Auk, x. pp. 158–165.

Key to the Genera.

a. Face bare, and carunculated near the base of the bill; a bare space below the eye . 1. CHIONIS, p. 710.

b. Face bare in front of the eye, but not below it; no caruncles on the base of the bill . 2. CHIONARCHUS, p. 711.

1. CHIONIS.

	Type.
Chionis, *Forster, Enchiridion Hist. Nat.* p. 37 (1788)	C. alba.
Vaginalis, *Gm. Syst. Nat.* i. p. 705 (1788)	C. alba.
Coleorhamphus, *Dumont, Dict. Sci. Nat.* x. p. 36 (1818) ..	C. alba.

Range. Confined to the extreme south of South America and adjacent islands.

1. Chionis alba.

White Sheath-bill, *Lath. Gen. Syn.* iii. pt. 1, p. 268, pl. 89 (1785).

Vaginalis alba, *Gm. Syst. Nat.* i. p. 705 (1788).

Vaginalis chionis, *Lath. Ind. Orn.* ii. p. 774 (1790).

Coleoramphus nivalis, *Dumont, Dict. Sci. Nat.* x. p. 36 (1818).

Chionis vaginalis, *Temm. Pl. Col.* v. pl. 509 (1830); ***id. Tabl. Méth.*** p. 100 (1836).

Chionis alba, *Quoy & Gaim. Voy. Uranie*, p. 131, pl. 35 (1824); *Garn. & Less. Voy. Coquille*, i. p. 724 (1826); ***Less. Man. d'Orn.*** ii. p. 341 (1828); *id. Traité d'Orn.* p. 521, pl. 109. fig. 2 (1831); *Blainv. Ann. Sci. Nat.* vi. p. 97 (1836); ***Gould in Darwin's Voy.*** *'Beagle,' Birds*, p. 118 (1841: Falkland Is.); ***Gray, List Grall. Brit. Mus.*** p. 51 (1844: Straits of Magellan; Falkland Is.); *id. Gen. B.* iii. p. 522, pl. 135. fig. 3 (1845); *Reichenb. Gall.* **tab. clxxix.** figs. 1545–46 (1850); *Bp. C. R.* xliii. p. 420 (1856); ***Eyton, P. Z. S.*** 1858, pp. 90, 100; ***Gould, P. Z. S.*** 1859, p 95, 1860, p. 386(Falk-

land Is.); *Abbott, Ibis*, 1861, p. 154 (Falkland Is.); *Sel. & Salv. Ibis*, 1869, p. 284 (Straits of Magellan); *Gray, List Gall. Brit. Mus.* p. 95 (1867); *Cunningham, P. Z. S.* 1869, p. 87; *Newt. P. Z. S.* 1871, p. 57, pl. iv. fig. 7; *Gray, Hand-l. B.* iii. p. 21, no. 10055 (1871); *Sel. & Salv. Nomencl. Av. Neotr.* p. 143 (1873); *Pagenst. JB. Anst. Hamb.* ii. p. 12, cum tab. fig. 3 (1885: S. Georgia); *Oust. Miss. Sci. Cap Horn, Ois.* p. B 238 (1891); *Jameson, Irish Nat.* ii. pp. 151-155, pl. iv. (1893); *Sel. P. Z. S.* 1893, p. 178 (Ireland); *Shufeldt, Auk*, x. pp. 158-165 (1893); *Sel. Ibis*, 1894, p. 497 (Antarctic Ice); *Tristr. Ibis*, 1895, p. 165 (Antarctic Continent).

Chionis forsteri, *Stephens in Shaw's Gen. Zool.* xii. p. 281 (1824).

Chionis necrophaga, *Vieill. Gal. Ois.* ii. p. 140, pl. 258 (1834).

Chionis lactea, *Forst. Icon. ined. in Brit. Mus.* pl. 125; *id. Descr. Anim.* p. 330 (1844).

Adult. Snowy white all over: "bill black, with the base of both mandibles sulphur-yellow or greenish yellow, in some horny reddish or of the pale colour of the human finger-nail: face bare, covered with milky-white papillæ; from the fore part of the crown a narrow band continued to the angle of the culmen and from the angle of the gape beneath the eyes bare; feet bluish dusky; iris reddish dusky; eyelids bare, with white papillæ" (*J. R. Forster*). Total length 15 inches, culmen 1·3, wing 8·8, tail 4, tarsus 1·75.

Hab. The same as that of the genus.

a. Ad. sk.	South America.	Salvin-Godman Coll.
b. Ad. st.	Straits of Magellan.	Sir W. Burnett & Admiral Fitzroy [P.].
c. Ad. st.	Straits of Magellan.	Capt. King.
d. Ad. sk.	Dungeness Spit, Straits of Magellan, Feb. 16 (*Dr. Cunningham*).	Salvin-Godman Coll.
e. Ad. sk.	Falkland Islands.	Salvin-Godman Coll.
f. Ad. sk.	Falkland Islands.	Tweeddale Coll.
g, h. Ad. sk.	Berkeley Sound, E. Falklands, April.	Antarctic Expedition.
i. Ad. sk.	South Creek Isl., Berkeley	Dr. McCormick [P.].
k. Skeleton.	Sound, May 19.	Purchased.

2. CHIONARCHUS.

Type.

Chionarchus, *Kidder & Coues, Bull. U.S. Nat. Mus.* no. 3, p. 116 (1876) ..... C. minor.

Range. Islands of Southern Atlantic: Kerguelen and Marion Islands; Crozette Islands.

Key to the Species.

a. Larger: tarsus shorter and stouter; feet yellowish in skin; sheath with a rounded Petrel-like opening above the nostrils ..... *minor*, p. 712.

b. Smaller: tarsus longer and more slender; feet reddish in skin; sheath with no perceptible rounded opening in front, and scarcely raised above the culmen ..... *crozettensis*, p. 713.

1. Chionarchus minor.

Chionis minor, *Hartl. Rev. Zool.* 1841, p. 5, 1842, pl. ii. figs. 2, 2 *a*; *Lafr. t. c.* p. 402; *Gray, List Grall. Brit. Mus.* p. 52 (1844: Kerguelen's Land); *id. & Mitchell, Gen. B.* iii. p. 522, pl. 136 (1845); *Reichenb. Gall.* tab. clxxix. fig. 1547 (1850); *Bp. C. R.* xliii. p. 420 (1856); *Schl. Handl. Dierk.* p. 400, pl. viii. fig. 98 (1857); *id. Dier.* p. 232 cum fig.; *Hutton, Ibis*, 1865, p. 277 (Prince Edward Isl.); *Gray, List Gall. Brit. Mus.* p. 95 (1867); *id. Hand-l. B.* iii. p. 21, no. 10056 (1871); *Kidder, Bull. U.S. Nat. Mus.* ii. pp. 1–4 (1875); *id. & Coues, op. cit.* iii. p. 7 (1876); *Reichen. J. f. O.* 1876, p. 89; *id. & Cab. t. c.* p. 327, pl. i. fig. 2; *Sharpe, Phil. Trans.* 168 (extra vol.), p. 102 (1879); *Shufeldt, Journ. Anat. & Phys.* (2) v. pt. iv. pp. 509–525, pls. xi., xii. (1891).

Chionarchus minor, *Kidder & Coues, Bull. U.S. Nat. Mus.* iii. pp. 85–116 (1876); *Shufeldt, Auk*, x. pp. 158–165 (1893).

Adult. Entirely snowy white; "bill black, as well as a black caruncle extending from the base of the sheath upwards to the front of the eye, both in males and females, more prominent in the former, and especially after the birds have paired; tarsus and foot dull white, with a flesh-tint; eyelid pale pink; iris purplish black" (*J. H. Kidder*). Total length 16 inches, culmen 1·5, wing 9·3, tail 4, tarsus 1·7.

Adult female. Smaller than the males, and not having such large bills as the latter. Total length 15·5 inches, culmen 1·3, wing 8, tail 3·5, tarsus 1·6.

Young. According to Sir Joseph Hooker, the young birds have pink tips to their wings. No trace of this is seen in any of the skins in the Museum.

Nestling. Clothed in unicolorous slate-grey down (*A. E. Eaton*).

According to Dr. Kidder, the male has a scaly, black, blunt spine projecting from the carpal joint of the wing for 0·35 to 0·4 inch. In the female this spur is represented by a small flesh-coloured knob.

Mr. Eaton says that the sheath is immovable. "In the chick it is concrete with the horny substance of the bill, and is only indicated by a faint line of demarcation. In the course of growth it becomes developed into a distinct lamina, embracing the base of the upper mandible."

Hab. Kerguelen, Marion, and Prince Edward Islands. The birds from Marion Island are smaller than those of Kerguelen Island, and have a conspicuously smaller bill.

a. Ad. st.	Kerguelen Island.	Lieut. A. Smith, R.N. [P.].
b, c. Ad. sk.	Kerguelen Island.	Lieut. A. Smith, R.N. [P.].
d. ♀ ad. sk.	Kerguelen Island.	Antarctic Expedition.
e. ♀ ad. sk.	Kerguelen Island, Sept.	Hume Coll.
f–i. ♂ ♀ ad. sk.	Betsy Cove, Kerguelen Island.	Voy. H.M.S. 'Challenger.'
k, l. Ad. sk.	Christmas Harbour, Kerguelen Isl., May 30 (*R. McCormick*).	Antarctic Expedition.

m. Ad. sk.	Christmas Harbour, June 13.	Dr. McCormick [P.].
n. ♂; o, p. ♀ ad. sk.	Marion Island.	Voy. H.M.S. 'Challenger.'
q. Skeleton.	Kerguelen Island.	Purchased.

2. Chionarchus crozettensis.

Chionis minor (*nec Hartl.*), *Scl. P. Z. S.* 1867, p. 891 (Crozette Isl.); *Newt. P. Z. S.* 1871, pp. 57, 58 (Crozette Isl.); *Sharpe, Phil. Trans.* vol. 168. p. 102 (1879, pt.).
Chionis alba (*nec Gm.*), *Shelley, B. Africa*, i. p. 193 (1896).
Chionarchus crozettensis, *Sharpe, Bull. B. O. Club*, v. no. xxxvi. p. xliv (1896).

Adult. Similar to *C. minor*, but smaller, and distinguished by its smaller bill, with the sheath smaller and its anterior opening scarcely visible, only just raised above the culminal ridge, and not forming a Petrel-like nasal opening as in *C. minor*: feet dark reddish in skin, not yellow as in *C. minor*, and with the tarsus longer. Total length 14 inches, culmen 1·15, wing 7·8, tail 3·7, tarsus 1·75.

Hab. Crozette Islands.

In my paper in the 'Philosophical Transactions' on the birds collected by Mr. Eaton during the 'Transit of Venus' Expedition, I remarked upon the darker feet of the Crozette Island Sheathbill. I had only one specimen for comparison at the time, but the two specimens since received show that the species is distinct from *C. minor*.

a. Ad. sk.	Crozette Islands.	Capt. Armson [P.].
b. Ad. sk.	Crozette Islands.	Howard Saunders, Esq. [P.].
c. Ad. sk.	Crozette Islands.	Shelley Coll.

Family VI. THINOCORYTHIDÆ.

Palate schizognathous.

Nasals holorhinal.

Basipterygoid processes and occipital foramina present; supra-orbital impressions present.

Vomer broad and rounded in front, not pointed, and resembling that of *Ægithognathæ*.

Bill like that of Game-birds, without any sheath.

Crop globular.

Spinal feather-tract forked on the upper back.

Ambiens, femoro-caudal, accessory femoro-caudal, semitendinosus, and accessory semitendinosus muscles present.

Feet not webbed, with a scarcely perceptible membrane between the base of the outer and middle toes.

Hind toe present.

Tarsus reticulated on front and back.

Plumage like that of a Game-bird; flight like that of a Plover.

Nest a slight depression in the ground, sometimes lined with a few blades of grass (*Durnford*).

Eggs pale stone-colour, very thickly speckled with light and dark chocolate markings.

Nestling covered with light and dark brown down.

Cf. Seebohm, Classif. B. p. 37; Stejneger, Standard Nat. Hist. p. 92; Sharpe, Classif. B. p. 72.

Key to the Genera *.

a. Tail rounded; size larger ..... 1. ATTAGIS, p. 714.
b. Tail more wedge-shaped; size smaller .... 2. THINOCORUS, p. 717.

1. ATTAGIS.

Attagis, *Less. & Isid. Geoffr. St.-Hilaire, Cent. Zool.* pl. xlvii. (1830) ..... Type. A. gayi.

Range. Confined to South America. From Peru to Chili, the Straits of Magellan and the Falkland Islands.

---

* These two genera appear to me to be scarcely separable.

Key to the Species.

a. Breast and abdomen cinnamon.
  a'. Under surface pale cinnamon, with the fore-neck ashy, finely lined with black; prevailing colour of upper surface grey, with blackish frecklings: under wing-coverts pale cinnamon, with scarcely any shade of dusky round the carpal bend .. *gayi*, p. 715.
  b'. Under surface dark cinnamon-rufous, the blackish cross-markings on the fore-neck and sides of body much coarser than in *A. gayi*; prevailing colour of upper surface black, with wavy lines of sandy buff; under wing-coverts cinnamon, with a good deal of black round the edge.... *chimborazensis*, p. 716.
b. Breast and abdomen white ..... *malouinus*, p. 716.

1. Attagis gayi.

Attagis gayi, *Less. Cent. Zool.* p. 135, pl. 47 (1830); *id. Traité d'Orn.* p. 522 (1831); *Gould in Darwin's Voy. 'Beagle,' Birds*, p. 117 (1841: Cordilleras of Coquimbo and Copiapo); *Gray, Gen. B.* iii. p. 520 (1845); *Bridges, P. Z. S.* 1837, p. 29 (Tapaquilcha, 14,000 ft.; Bolivia, breeding); *Gay, Faun. Chil., Zool.* i. p. 384 (1847); *Reichenb. Gall.* tab. clxxxi. fig. 1554 (1850); *Bp. C. R.* xliii. p. 420 (1856); *Gray, List Gall. Brit. Mus.* p. 94 (1867); *Sel. P. Z. S.* 1867, p. 331 (Chili); *id. & Salv. Erotic Orn.* p. 158 (1869); *Gray, Hand-l. B.* iii. p. 20, no. 10052 (1871); *Sel. & Salv. Nomencl. Av. Neotr.* p. 144 (1873); *Taez. P. Z. S.* 1874, p. 557 (Junin); *id. Orn. Pérou*, iii. p. 284 (1880); *Sel. P. Z. S.* 1891, p. 137 (Tarapacá); *James, New List Chilian B.* p. 11 (1892).

Attagis latreillii, *Less.* "*Bull. de Soc.*" xxv. p. 243; *id. Ill. Zool.* pl. 11 (1830); *Gray, Gen. B.* iii. p. 520, pl. 135 (1845); *Gay, Faun. Chil., Zool.* i. p. 385 (1847); *Reichenb. Gall.* tab. clxxxi. figs. 1555 56 (1850); *Bp. C. R.* xliii. p. 420 (1856); *Pelz. Reis. Novara, Vog.* p. 113 (1865: Chili); *Sel. & Salv. Erotic Orn.* p. 158 (1869); *Gray, Hand-l. B.* iii. p. 20, no. 10053 (1871); *Sel. & Salv. P. Z. S.* 1879, p. 641 (Bolivia).

Adult. General colour above ashy grey, freckled all over with wavy lines of dusky blackish, sometimes transverse, and more or less sub-marginal and following the outline of the feather on the mantle and upper back, which parts are blotched with black centres to the feathers; wing-coverts more rufous, very coarsely mottled with broad wavy lines of black, the least series blackish; bastard-wing and primary-coverts black, with sandy-rufous margins; quills light brown, blackish on the outer web and at the tips of the primaries, which are fringed with white round the ends; secondaries brown, the innermost barred with sandy rufous and freckled near the tips; upper tail-coverts and tail-feathers sandy rufous, barred across with blackish; crown of head dusky brown, minutely spotted with buffy white; eyebrow and sides of face isabelline, the latter minutely dotted with blackish; the ear-coverts more rufous and streaked with brown; throat uniform isabelline, rufescent on the

lower throat, which is more distinctly spotted; the fore-neck ashy, barred across with wavy lines of blackish; remainder of under surface of body pale cinnamon, the feathers edged with isabelline, and with narrow wavy lines of blackish on the sides of the breast, flanks, and under tail-coverts; the axillaries and under wing-coverts pale cinnamon; quills ashy below. Total length 11·5 inches, culmen 0·8, wing 7·9, tail 2·7, tarsus 1·1.

Young. Much more uniform ashy than the adults, the freckling very much finer and more minute; the down of the nestling ashy grey and very dense.

Hab. Chili and Peru.

a. Ad. st.	Cordillera of Chili.	Purchased.
b, c. Ad. sk.	Chili.	Purchased.
d–i. Ad. sk.	Central Chili.	Berkeley James Coll.
k, l. ♂ ad. et juv. sk.	Santiago, Chili (*Leybold*).	Salvin-Godman Coll.
m. ♀ ad. sk.	Sacaya, Tarapacá, April 6 (*A. A. Lane*).	Berkeley James Coll.

2. Attagis chimborazensis.

Attagis chimborazensis, *Scl. P. Z. S.* 1860, pp. 73, 82 (Mount Chimborazo, 14,000 ft.); *Gray, List Gall. Brit. Mus.* p. 95 (1867); *Scl. & Salv. Exotic Orn.* p. 157, pl. lxxix. (1869); *Gray, Hand-l. B.* iii. p. 20, no. 10054 (1871); *Scl. & Salv. Nomencl. Av. Neotr.* p. 144 (1873); *Tacz. & Berl. P. Z. S.* 1885, pp. 112, 120 (Ecuador).

Adult. Much darker than *A. gayi*, and of a black appearance above with wavy lines of sandy buff; tail black, with only a few sandy-buff bars; wing-coverts blackish, with sandy-rufous bars and conspicuous white edgings; under surface of body deep cinnamon, the throat paler, spotted as in *A. gayi*, the chest barred as in that species, but much more coarsely, and the black bars on the sides of the breast and flanks much coarser, as well as those on the under tail-coverts; under wing-coverts and axillaries dark cinnamon, those near the edge of the wing black. Total length 11 inches, culmen 0·7, wing 7·6, tail 3, tarsus 1·1.

Hab. Ecuador.

a. Ad. sk.	Mt. Chimborazo, Ecuador.	Purchased. (Type of the species.)
b. Ad. sk.	Ecuador (*C. Buckley*).	Salvin-Godman Coll.

3. Attagis malouinus.

Caille des isles Malouines, *D'Aubent. Pl. Enl.* ii. pl. 322.
La Caille des isles, *Buff. Hist. Nat. Ois.* ii. p. 477 (1771).
Tetrao malouinus, *Bodd. Tabl. Pl. Enl.* p. 13 (1783).
Malouine Quail, *Lath. Gen. Syn.* ii. pt. 2, p. 786 (1783: Falkland Is.).
Tetrao falklandicus, *Gm. Syst. Nat.* i. p. 762 (1788).
Perdix falklandica, *Lath. Ind. Orn.* ii. p. 653 (1790); *Temm. Pig. et Gall.* iii. p. 738 (1815).

Coturnix falklandica, *Stephens in Shaw's Gen. Zool.* xi. p. 386 (1819); *Jard. & Selby, Ill. Orn.* article to pl. 38 (1828).

Attagis falklandica, *Gould in Darwin's Voy. 'Beagle,' Birds*, p. 117 (1841: Mountains of Tierra del Fuego); *Gay, Faun. Chil., Zool.* p. 385 (1847); *Bp. C. R.* xliii. p. 420 (1756); *Scl. & Salv. Ibis*, 1868, p. 188 (Straits of Magellan); *Sharpe, P. Z. S.* 1881, p. 12 (Cockle Cove).

Attagis malouina, *Gray, List Grall. Brit. Mus.* p. 51 (1844: Straits of Magellan; Hermit Isl.); *id. Gen. B.* iii. p. 520 (1845); *Reichenb. Gall.* tab. clxxxi. fig. 1557 (1850); *Scl. P. Z. S.* 1861, p. 46 (Falkland Is.); *Abbott, Ibis*, 1861, p. 154 (Falkland Is.); *Gray, List Gall. Brit. Mus.* p. 94 (1867); *id. Hand-l. B.* iii. p. 20, no. 10051 (1871); *Scl. & Salv. Nomencl. Av. Neotr.* p. 144 (1873); *Oust. Miss. Sci. Cap Horn*, vi. *Ois.* p. B 107 (1891).

Adult male. General colour above sandy rufous, the feathers centred with black, and with some wavy lines of black towards the end of the feathers of the scapulars and inner secondaries, which have also whitish margins; the wing-coverts black, with white margins and rufous mottlings in the shape of spots or horseshoe bars; quills brown, lighter on the inner webs, the inner secondaries marked with horseshoe bars of rufous like the greater wing-coverts; tail-feathers blackish, tipped with dull white, and barred with brown or rufous-brown on the outer feathers; crown of head blackish, streaked with sandy rufous; eyebrow and sides of face ashy isabelline, the ear-coverts more rufous, and narrowly streaked with blackish; throat ashy whitish; lower throat, fore-neck, and chest bright sandy rufous, with circular black markings, and whitish margins to many of the feathers, especially on the sides of the upper breast; remainder of under surface of body white, with a few sandy or black-barred feathers on the flanks and under tail-coverts; axillaries and under wing-coverts white, the feathers near the edge of the wing with dusky bases. Total length 11 inches, culmen 0·6, wing 5·9, tail 2·1, tarsus 0·75.

Hab. Falkland Islands and Straits of Magellan.

a, *b*. ♂ ad.; *c*. Ad. sk.	Hermit Isl., Straits of Magellan, Oct. 4.	Antarctic Expedition.
d. ♂ ad. sk.	Hermit Isl., Oct. 4.	Dr. McCormick.
e, *f*. Ad. sk.	Straits of Magellan.	Sir R. Burnett & Admiral Fitzroy [P.].
g. Ad. sk.	Peckett Harbour, Straits of Magellan, March 22 (*Dr. Cunningham*).	Salvin-Godman Coll.
h. ♂ ad. sk.	Cockle Cove, Straits of Magellan, Feb. 14.	Dr. Coppinger [P.].

2. THINOCORUS.

	Type.
Thinocorus, *Eschscholtz, Zool. Atlas*, p. 2 (1829)....	T. rumicivorus.
Oxypetes, *Wagler, Isis*, 1830, p. 763	T. rumicivorus.

Range. Confined to South America. From Chili to Peru and to the Argentine Republic.

Key to the Species.

a. Larger: throat white, with a black border; fore-neck grey, uniform without any mesial streak ..... *orbignianus*, p. 718.

b. Smaller: throat white; fore-neck grey, with a mesial line of black, bifurcating on each side of the white throat ..... *rumicivorus*, p. 719.

1. Thinocorus orbignianus.

Tinochorus orbignyanus, *Geoffr. & Less. Cent. Zool.* p. 137, pls. 48, 49 (1830); *Fraser, P. Z. S.* 1843, p. 115 (Chilian Andes); *Gay, Faun. Chil., Zool.* i. p. 387 (1847).

Thinochorus ingæ, *Tschudi, Arch. f. Nat.* 1843, p. 387 (Peru); *id. & Cab. Faun. Peruan., Aves*, pp. 45, 279 (1845–46: 14,000 ft.); *Bp. C. R.* xliii. p. 420 (1856); *Cass. U.S. Expl. Exped.* p. 288 (1858); *Pelz. Reis. Novara, Vög.* p. 113 (1865: Chili); *Scl. P. Z. S.* 1867, p. 990 (Chili); *id. & Salv. t. c.* p. 990 (Peru); *Gray, Hand-l. B.* iii. p. 20, no. 10050 (1871); *Tacz. P. Z. S.* 1874, p. 556 (Junin).

Thinochorus orbignyanus, *Gray, List Grall. Brit. Mus.* p. 51 (1844: Chili); *id. Gen. B.* iii. p. 521, pl. 135. fig. 2 (1845); *Reichenb. Gall.* tab. clxxx. figs. 1852-53 (1850); *Bp. C. R.* xliii. p. 420 (1856); *Burm. Reise La Plata-St.* ii. p. 500 (1861); *Gray, List. Gall. Brit. Mus.* p. 94 (1867); *Scl. P. Z. S.* 1867, p. 331 (Chili); *id. & Salv. t. c.* p. 989 (Peru); *iid. P. Z. S.* 1868, p. 570; *Gray, Hand-l. B.* iii. p. 20, no. 10048 (1871); *Scl. & Salv. Nomencl. Av. Neotr.* p. 144 (1873); *iid. P. Z. S.* 1879, p. 641 (Bolivia); *Tacz. Orn. Pérou*, iii. p. 281 (1886: up to 12,000 and 14,000 ft.); *Scl. P. Z. S.* 1886, p. 403 (Tarapacá); *id. & Huds. Argent. Orn.* ii. p. 178 (1889); *Scl. P. Z. S.* 1891, p. 137 (Tarapacá); *James, New List Chilian B.* p. 11 (1892).

Glareola cuneicauda, *Peale, U.S. Expl. Exped.* p. 244 (1848: Island of San Lorenzo, Peru).

Adult male. General colour above sandy rufous, thickly mottled with black centres to the feathers and lighter sandy-buff margins; wing-coverts like the back, but the markings browner; the inner greater coverts barred with rufous towards the tips, like the innermost secondaries; bastard-wing, primary-coverts, and quills brown, fringed with white at the tips, more distinct on the inner secondaries, which have concealed white bases; upper tail-coverts sandy rufous, with brown bars of irregular arrow-head shape; tail-feathers black, with buffy-white tips and a few notches or bars of sandy rufous; crown of head sandy rufous, with small black centres to the feathers; a broad frontal band of grey; eyebrow and ear-coverts shown with narrow dark shaft-streaks; nape and hind-neck blue-grey, extending over the sides of the neck and hinder cheeks, and occupying the entire throat and chest; the base of the cheeks and chin white, separated from the grey throat by a line of black spots; remainder of under surface of body white, with a creamy-buff tinge on the breast and under tail-coverts; across the chest a narrow and disconnected line of black; sides of upper breast sandy buff, mottled with dark brown; on the flanks a patch of brown feathers; axillaries and under wing-coverts black, the latter tipped with white,

some of the lower greater coverts white with black only near the base. Total length 9 inches, culmen 0·55, wing 5·9, tail 2·5, tarsus 0·9.

Adult female. Differs from the male in having no blue-grey on the hind-neck, which is like the rest of the upper surface; the sides of the face, cheeks, and lower throat white, rather broadly streaked with black; chin and upper throat white; fore-neck ashy grey, the feathers fringed with blackish: "bill horn-colour; feet yellow; iris brown" (*Rahmer*). Total length 8·5 inches, culmen 0·6, wing 5·41, tail 2, tarsus 0·85.

Hab. Chili, Bolivia, and Peru.

a, *b*. ♂ ad. st.	Chili.	T. Bridges, Esq. [P.].
c, *d*. ♂ ♀ ad. sk.	Chili.	T. Bridges, Esq. [P.].
e, *f*, *g*. Pull. sk.	Chili.	Purchased.
h–*z*. ♂ ♀ ad. sk.	Central Chili.	Berkeley James Coll.
a', *b'*. ♂ ♀ ad. sk.	Santiago, Chili (*Leybold*).	Salvin-Godman Coll.
c'. ♂ ad. sk.	Santiago, Sept.	Tweeddale Coll.
d'–*f'*. ♀ ad. sk.	Lake Huasco, Tarapacá, Jan. & Feb. (*A. A. Lane*).	Berkeley James Coll.
g'–*k'*. ♂ ad.; *l'*. ♀ ad. sk.	Sacaya, Tarapacá, Feb., March, April (*A. A. Lane*).	Berkeley James Coll.
m'. ♂ ad. sk.	Canchosa, Tarapacá, Jan. (*A. A. Lane*).	Berkeley James Coll.
n'. ♂ ad. sk.	Pampas Argentinas (*Leybold*).	Salvin-Godman Coll.
o'. ♂ ad. sk.	Sierra de Mendoza, Jan. (*Burmeister*).	Salvin-Godman Coll.
p'. ♂ ad. sk.	Cinti, Bolivia (*C. Buckley*).	Salvin-Godman Coll.
q', *r'*. ♂ ♀ ad. sk.	Salinas, S.W. Peru, July (*H. Whitely*).	Salvin-Godman Coll.
s'. ♂ ad. sk.	Iquique, Peru (*H. Rowland*).	Salvin-Godman Coll.
t', *u'*. ♂ ♀ ad. sk.	Junin, Peru (*J. Stolzmann*).	Warsaw Museum.
v'. Skeleton.	Mendoza.	Salvin-Godman Coll.
w'. Skeleton.	Chili.	Purchased.

2. Thinocorus rumicivorus.

Thinocorus rumicivorus, *Eschscholtz, Zool. Atlas*, p. 2, pl. 2 (1829: Chili); *Gould, in Darwin's Voy. 'Beagle,' Birds*, p. 117 (1841: Santa Cruz, Patagonia; Chili); *Gray, Gen. B.* iii. p. 521 (1845); *Reichenb. Gall.* tab. clxxx. figs. 1548–50 (1850); *Bp. C. R.* xliii. p. 420 (1856); *Burm. Reise La Plata-St.* ii. p. 501 (1857: Rosario); *Sel. P. Z. S.* 1857, p. 331 (Chili); *id. & Salv. t. c.* p. 389 (Peru); *id. Ibis*, 1858, p. 188 (Peckett Harbour); *id. P. Z. S.* 1868, p. 143 (Conchitas), pp. 176, 570 (Peru); *id. Ibis*, 1869, p. 284 (Gregory Bay); *id. P. Z. S.* 1869, p. 148 (Lima); *id. Ibis*, 1870, p. 490 (Sandy Point, March); *Gray, Hand-l. B.* iii. p. 20, no. 10047 (1871); *Sel. & Salv. Nomencl. Ac. Neotr.* p. 144 (1873); *Tacz. P. Z. S.* 1874, p. 557 (Lima and Chorillos); *Durnf. Ibis*, 1876, p. 164 (Buenos Ayres); *id. Ibis*, 1877, p. 42 (Chupat Valley, Nov., ? breeding), p. 197 (Buenos Ayres); *id. Ibis*, 1878, p. 403 (Central Patagonia, Oct. & March); *Salv. P. Z. S.* 1883, p. 429 (Coquimbo); *Tacz. Orn. Perou*, iii. p. 283 (1886); *Sel. & Huds. Argent. Orn.* ii. p. 176 (1889); *Sel. P. Z. S.* 1891, p. 137 (Tarapacá); *Quel. Miss. Sci. Cap Horn, Ois.* p. 108 (1891); *Holland, Ibis*, 1891, pp. 16, 19; *id. Ibis*, 1892, p. 211 (Argentine Republic);

James, New List Chilian B. p. 11 (1892); *Berl. & Stolz. P. Z. S.* 1892, pp. 400, 405 (Peru).
Ocypetes torquatus, *Wagl. Isis*, 1829, p. 762.
Tinochorus swainsonii, *Less. Ill. Zool.* pl. 16 (1830).
Tinochorus eschscholtzii, *Geoffr. & Less. Cent. Zool.* p. 140, pl. 50 (1830); *Fraser, P. Z. S.* 1843, p. 116 (Chili).
Thinocorus swainsoni, *Gray, List Grall. Brit. Mus.* p. 51 (1844; Chili); *Reichenb. Gall.* tab. clxxx. fig. 1551 (1850); *Bp. C. R.* xliii. p. 420 (1856); *Scl. P. Z. S.* 1857, p. 331 (Chili); *Pelz. Reis. Novara, Vög.* p. 113 (1865: Chili); *Gray, List Gall. Brit. Mus.* p. 94 (1867); *id. Hand-l. B.* iii. p. 20, no. 10049 (1871).

Adult male. Similar to the male of *T. orbignianus*, but very much smaller, and easily distinguished by the markings of the throat: the sides of the face and sides of neck pearly grey; the throat white, separated from the grey of the face and neck by a line of black, which commences on the fore part of the cheeks, widening out and joining on the lower throat, where it continues in a broad mesial band to the fore-neck, and there again widens out to form a band, separating the white breast from the grey of the neck. Total length 6·5 inches, culmen 0·45, wing 4·1, tail 1·8, tarsus 0·65.

Adult female. Differs from the female of *T. orbignianus* in being very much smaller, with the fore-neck ashy brown, separated from the white throat by a line of black, which extends upwards to the fore part of the cheeks, and downwards in broken spots to the chest, where it forms a narrow line across the latter. These markings are similar to those of the male, but are not so pronounced. Total length 6 inches, culmen 0·45, wing 4·2, tail 1·9, tarsus 0·65.

Hab. From the Argentine Republic to Patagonia, Chili, Bolivia, and Peru.

a, *b*. ♂ ♀ ad. sk.	Coast of Peru.	Salvin-Godman Coll
c. Ad. sk.	Vicinity of Lima (*Nation*).	Salvin-Godman Coll.
d, *e*, *f*. ♂ ad. sk.	Arequipa, Feb. 27 (*H. Whitely*).	Tweeddale Coll.
g. ♂ ad. sk.	Islay, S.W. Peru (*H. W.*).	Salvin-Godman Coll.
h. ♀ ad. sk.	Tambo, Peru, Oct. (*H. W.*).	Tweeddale Coll.
i, *k*. ♂ ad.; *l*. ♀ ad. sk.	Tarapacá, June, Aug. (*A. A. Lane*).	Berkeley James Coll.
m, *n*, *o*. Ad. sk.	Chilian Andes.	T. Bridges, Esq. [P.].
p–*w*. ♂ ♀ ad. sk.	Central Chili.	Berkeley James Coll.
x, *y*. ♂ ♀ ad. sk.	Santiago, Chili (*Leybold*).	Salvin-Godman Coll.
z. ♀ ad. sk.	Santiago (*Leybold*).	Tweeddale Coll.
a'. ♀ ad. sk.	Coquimbo, Chili (*Admiral Markham*).	Salvin-Godman Coll.
b'. ♀ ad. sk.	Coquimbo, June (*Dr. Coppinger*).	Voy. H.M.S. 'Alert.'
c'. ♂ ad. sk.	Buenos Ayres (*Haslehurst*).	Salvin-Godman Coll.
d'. ♀ ad. sk.	Buenos Ayres, Aug. 3.	H. Durnford, Esq. [C.].
e', *f'*. ♂ ♀ ad. sk.	Conchitas, Buenos Ayres (*W. H. Hudson*).	Salvin-Godman Coll.
g'. ♂ ad. sk.	Chupat, Patagonia, Nov. 20.	H. Durnford, Esq. [C.].
h', *i'*. Skeletons.	Chili.	Salvin-Godman Coll.

ADDENDA.

—•—

Add :— **Page 4. Œdicnemus œdicnemus.**

Charadrius œdicnemus, *Gätke, Vogelw. Helgol.* p. 489 (1891).
Œdicnemus scolopax, *Blaauw, Notes Leyd. Mus.* xv. p. 224 (1893); *Irby, Orn. Str. Gibr.* 2nd ed. p. 262 (1895).
Œdicnemus crepitans, *Meade-Waldo, Ibis*, 1893, p. 202 (Canaries); *Whitaker, Ibis*, 1894, p. 99 (Tunis); *Eagle Clarke, Ibis*, 1895, p. 205 (Rhone Delta).
Œdicnemus œdicnemus, *Reiser, Orn. Balcanica*, p. 174 (1894); *Sharpe, Handb. Brit. B.* iii. p. 127, pl. lxxvi. (1898); *Shelley, B. Africa*, i. p. 194 (1898).

*o*¹.	Ad. sk.	Mediana, Gibraltar, May 17.	C. A. K. Pechell, Esq. [P.]
*p*¹.	♂ ad. sk.	Fuerteventura Isl., March	Seebohm Coll.
*q*¹.	♀ ad. sk.	Near Meshed (3000 ft.), Persia, April.	Seebohm Coll.

Add :— **Page 10. Œdicnemus senegalensis.**

Œdicnemus senegalensis, *Dresser, Bull. B. O. Club*, v. p. xix (1896: Egypt); *Shelley, B. Africa*, i. p. 194 (1898).

l.	Ad. sk.	River Gambia.	Seebohm Coll.
m.	Ad. sk.	Amba, Abyssinia, Aug. 21 (*W. Jesse*).	Seebohm Coll.

Add :— **Page 11. Œdicnemus vermiculatus.**

Œdicnemus vermiculatus, *Reichen. Vög. deutsch-Ost-Afr.* p. 38 (1894); *Shelley, B. Africa*, i. 194 (1898).

l.	♀ ad. sk.	Umgeni Lagoon, Natal, March 27 (*H. S.*).	Seebohm Coll.
m.	♀ ad. sk.	Landana, Lower Congo, July (*L. Petit*).	Seebohm Coll.

Add :— **Page 12. Œdicnemus bistriatus.**

o.	Ad. sk.	Mexico.	Seebohm Coll.
p.	Ad. sk.	Bogotá.	Seebohm Coll
q, *r*.	Ad. sk.	Savana of British Guiana.	J. J. Quelch & F. V. McConnell, Esqrs. [P.]

Add :— **Page 15. Œdicnemus capensis.**

Œdicnemus capensis, *Reichen. Vög. deutsch-Ost-Afr.* p. 37 (1894: Ugálla; Nguruman; Itále); *Shelley, Ibis*, 1894, p. 25 (Nyasa-land); *id. B. Africa*, i. p. 194 (1896).

t. ♂ ad. sk.	Natal (*T. Ayres*).	Seebohm Coll.
u. ♂ ad. sk.	Damara-land (*C. J. Andersson*).	Seebohm Coll.

Add :— **Page 17. Œdicnemus affinis.**

Œdicnemus affinis, *Sharpe, P. Z. S.* 1895, p. 513 (Sibbe); *Shelley, B. Africa*, i. p. 194 (1896).

Add :— **Page 18. Burhinus grallarius.**

Œdicnemus grallarius, *Legge, Proc. Austr. Assoc.* 1892, p. 45.

n. Ad. st.	Queensland.	Seebohm Coll.

Add :— **Page 20. Esacus recurvirostris.**

v'. ♂ ad. sk.	Futtehgurh, Dec. 16 (*A. Anderson*).	Seebohm Coll.

Add :— **Page 22. Orthorhamphus magnirostris.**

Esacus magnirostris, *Legge, Proc. Austr. Assoc.* 1892, p. 44.

x. ♂ ad. sk.	Huon Isl., New Caledonia, Dec. 3 (*E. L. Lupard*).	Seebohm Coll.
y. ♂ ad. sk.	**Menado, N. Celebes (*A. R. Wallace*).**	**Seebohm Coll.**

Add :— Page 28. Dromas ardeola.

Dromas ardeola, *Finn, Ibis*, 1893, p. 233 (Aden); *Reichen. Vög. deutsch-Ost-Afr.* p. 39 (1894: Dar-es-Salaam; Tanga); *Shelley, B. Africa*, i. p. 194 (1896).

***d'*, *e'*. ♂ ad. et juv. sk.**	**Madagascar.**	**Seebohm Coll.**
***f'*. ♂ ad. sk.**	**Seychelles.**	**Seebohm Coll.**
***g'*. Imm. sk.**	**Dar-es-Salaam, E. Africa (*Sir J. Kirk*).**	**Seebohm Coll.**
h'. ♂ juv. sk.	Suakin, Sept. 1 (*W. Jesse*).	Seebohm Coll.
i'. ♂ ad. sk.	Arkiko, near Massowah (*J. K. Lord*).	Seebohm Coll.
k'. Ad. sk.	Zeila, Somali-land, June 3.	Capt. Nurse [C.].

Page 30. **Ortyxelus meiffreni.**

On line 23 from bottom, take out "(*ubi?*), *teste*," and read "*Gloger. Handb. Nat.* p. 403 (1842)" ..... O. meiffreni.

Add:— **Page 32. Pluvianus ægyptius.**

Pluvianus ægyptius, *Shelley, B. Africa*, i. p. 194 (1896).

k. Ad. sk.	N.E. Africa (*Hemprich & Ehrenberg*).	Seebohm Coll.
l. Ad. sk.	Egypt (*O. P. Cambridge*).	Seebohm Coll.
m, n. ♂; *o.* ♀ ad. sk.	Egypt, Feb., March (*G. E. Shelley*).	Seebohm Coll.
p, q. Ad. sk.	River Volta, Gold Coast (*H. T. Ussher*).	Seebohm Coll.

Add:— **Page 34. Cursorius gallicus.**

Cursorius gallicus, *Seebohm, Hist. Brit. B.* iii. p. 63 (1885); *Saunders, Man. Brit. B.* p. 519 (1889); *Blaauw, Notes Leyd. Mus.* xv. p. 225 (1893); *Irby, Orn. Straits Gibr.* 2nd ed. p. 203 (1895); *Poynt. Eggs Brit. B.* part ii. (1895); *Shelley, B. Africa*, i. p. 194 (1896); *Sharpe, Handb. Brit. B.* iii. p. 131 (1898).
Cursor europæus, *Gatke, Vogelw. Helgol.* p. 465 (1891).

Legs and feet china-white.

a'. Juv. sk.	Algiers.	Seebohm Coll.
a[2]. ♂ ad. sk.	Tangiers (*Olcese*).	Seebohm Coll.
b[2], *c*[2]. ♂ ♀ ad. sk.	Fuerteventura, March (*R. Gomez*).	Seebohm Coll.
d[2]. ♂ ad. sk.	Egypt, Feb. 4 (*G. E. Shelley*).	Seebohm Coll.
e[1]. ♂ imm. sk.	Fao, Persian Gulf, June 25.	W. D. Cumming, Esq. [P.].

Add:— **Page 37. Cursorius somalensis.**

Cursorius somalensis, *Shelley, B. Africa*, i. p. 194 (1896).

Add:— **Page 38. Cursorius rufus.**

Cursorius rufus, *Shelley, B. Africa*, i. p. 194 (1896); *Lort Phillips, Ibis*, 1898, p. 80 (Sonali).

u. Ad. sk.	South Africa, May.	Seebohm Coll.
v. Juv. sk.	Newcastle, Natal (*H. W. Feilden*).	Seebohm Coll.
w. ♂ ad. sk.	Transvaal (*T. Ayres*).	Seebohm Coll.
x. Ad. sk.	Makalaka Country (*Dr. Bradshaw*).	Seebohm Coll.

Add:— **Page 39. Cursorius coromandelicus.**

Cursorius coromandelicus, *Blyth, Cat. B. Mus. A. S. Beng.* p. 259 (1849); *Jerd. B. Ind.* iii. p. 626 (1864); *Oates, ed. Hume's Nests & Eggs Ind. B.* iii. p. 223 (1890).

N.B.—Take out reference to *Stoliczka, J. A. S. Beng.* xli. p. 250.

y'. ♂ ad. sk.	Lahore (*C. H. T. Marshall*).	Seebohm Coll.
z'. Juv. sk.	Deccan (*Lieut. Burgess*).	Seebohm Coll.

Add:— **Page 41. Cursorius temminckii.**

Tachydromus senegalensis, *Swains. B. W. Afr.* ii. p. 230, pl. 24.
Cursorius senegalensis, *Reichen. Vög. deutsch-Ost-Afr.* p. 32 (1894: Karéma; Igónda; Mrógoro; Mpapwa).
Cursorius temmincki, *Shelley, B. Africa*, i. p. 194 (1896).

Line 12 from bottom, take out reference to *Swainson's Birds of West Africa.*

u. Juv. sk.	Melinda (*Sir J. Kirk*).	Seebohm Coll.
v. Ad. sk.	Makalaka Country (*Dr. Bradshaw*).	Seebohm Coll.

Add:— **Page 43. Rhinoptilus bicinctus.**

Rhinoptilus bicinctus, *Shelley, B. Africa*, i. p. 194 (1896).

p. ♂ ad. st.	Transvaal (*T. Ayres*).	Seebohm Coll.
q. ♂ ad. sk.	Transvaal (*T. Ayres*).	Seebohm Coll.
r. ♂ juv. sk.	Otjimbinque, Damara-land, Feb. 15 (*C. J. Andersson*).	Seebohm Coll.
s. ♂ ad. sk.	Ondonga, Ovampo-land, Jan. 22 (*C. J. A.*).	Seebohm Coll.
t, u. ♂ ♀ ad. sk.	Great Namaqua-land (*C. J. A.*).	Seebohm Coll.

Add:— **Page 45. Rhinoptilus bisignatus.**

Cursorius gracilis, *Reichen. Vög. deutsch-Ost-Afr.* p. 33 (1894).
Rhinoptilus bisignatus, *Shelley, B. Africa*, i. p. 195 (1896).

Add:— **Page 46. Rhinoptilus hartingi.**

Rhinoptilus hartingi, *Sharpe, P. Z. S.* 1895, p. 513 (West Somaliland); *Shelley, B. Africa*, i. p. 195 (1896).

Add:— **Page 46. Rhinoptilus cinctus.**

Cursorius cinctus, *Reichen. Vög. deutsch-Ost-Afr.* p. 32 (1894).
Rhinoptilus cinctus, *Sharpe, P. Z. S.* 1895, p. 153 (West Somaliland); *Shelley, B. Africa*, i. p. 195 (1896).

Add:— **Page 47. Rhinoptilus seebohmi.**

Rhinoptilus seebohmi, *Shelley, B. Africa*, i. p. 195 (1896).

Add:— **Page 48. Rhinoptilus chalcopterus.**

Cursorius chalcopterus, *Reichen. Vög. deutsch-Ost-Afr.* p. 31 (1894).
Rhinoptilus chalcopterus, *Shelley, B. Africa*, i. p. 195 (1896).

k. Ad. st.	Makalaka Country (*Dr. Bradshaw*).	Seebohm Coll.
l. ♂ ad. sk.	Weenen, Natal, April 1 (*A. Arnold*).	Seebohm Coll.
m. ♀ ad. sk.	Damara-land, Jan. 31 (*C. J. Andersson*).	Seebohm Coll.

Add:— **Page 49. Rhinoptilus albofasciatus.**

Rhinoptilus albofasciatus, *Shelley, B. Africa*, i. p. 195 (1896).

d. Ad. sk.	Transvaal (*T. Ayres*).	Seebohm Coll.

Page 50. Rhinoptilus bitorquatus.

Line 21 from top, *for* "p. 223" *read* "p. 220."

The length of the tarsus should be 2·6, not 2·25 inches.

Add:—

b. ♂ ad. sk.	Badrachallum, Godavery Valley, March 5 (*W. T. Blanford*).	Seebohm Coll.

Add:— **Page 51. Stiltia isabella.**

Glareola grallaria, *Legge, Proc. Austr. Assoc.* 1892, p. 45.

r. Juv. sk.	Australia.	Seebohm Coll.
s. ♂ ad. sk.	Cape York.	Seebohm Coll.
t, u. Ad. sk.	North Celebes (*Dr. Meyer*).	Seebohm Coll.

Add:— **Page 53. Glareola pratincola.**

Glareola torquata, *Gurney, Ibis*, 1893, p. 380 (Natal).
Glareola pratincola, *Meade-Waldo, Ibis*, 1893, p. 202 (Canaries); *Shelley, Ibis*, 1894, pp. 25, 474 (Nyasa-land); *Reiser, Orn. Bale.* p. 177 (1894); *Irby, Orn. Straits Gibr.* 2nd ed. p. 261 (1895); *Eagle Clarke, Ibis*, 1895, p. 205; *Shelley, B. Africa*, i. p. 195 (1896); *Sharpe, Handb. Brit. B.* iii. p. 133 (1896).

Line 6 from bottom, *for* "pl. 153" *read* "pl. 513."

u''. ♂ ad. sk.	Missolonghi, Greece, May 25.	Seebohm Coll.
v''. ♂ ad. st.	Cæsarea, Asia Minor, May 5 (*C. G. Danford*).	Seebohm Coll.
w''. Ad. sk.	Melinda, E. Africa (*Sir J. Kirk*).	Seebohm Coll.
x''. Ad. sk.	Albert Edward Nyanza.	G. F. Scott Elliott, Esq.
y''. Juv. sk.	Transvaal (*T. Ayres*).	Seebohm Coll.
z''. ♂ ad. sk.	Ahmedabad, Jan. 11 (*J. Spry*).	Seebohm Coll.

Add:— **Page 57. Glareola melanoptera.**

Glareola melanoptera, *Reiser, Orn. Balcan.* p. 178 (1894); *Shelley, B. Africa*, i. p. 195 (1896).

y. ♂ ad. sk.	Kutais, Caucasus, May 12.	Seebohm Coll.
z. Ad. sk.	Sarepta, Lower Volga, June.	Seebohm Coll.
a'. ♂ juv. sk.	Scutari, Turkey, Sept. 13 (*T. Robson*).	Seebohm Coll.
b'. Ad. sk.	Lady Smith, Natal, Nov. 18.	Capt. Savile Reid [C.].
c'. ♀ ad. sk.	Transvaal (*T. Ayres*).	Seebohm Coll.

Add — **Page 58. Glareola orientalis.**

Glareola orientalis, *Legge, Proc. Austr. Assoc.* 1892, p. 46.

Page 59, line 18 from bottom, *for* "p. 261" *read* "p. 361."

b[1]. ♂ ad. sk.	Pekin, May 10 (*A. David*).	Seebohm Coll.
c[1]. Juv. sk.	S.W. Formosa (*R. Swinhoe*).	Seebohm Coll.
d[1]. Juv. sk.	Lau-pi, Formosa, Aug. 13.	Mr. P. A. Holst [C.].
e[1]. ♀ ad. sk.	Negros, Philippine Islands, March (*L. C. Layard*).	Seebohm Coll.
f[1]. Ad. sk.	Cape York, Australia (*J. T. Cockerell*).	Seebohm Coll.

Add :— **Page 62. Galactochrysea ocularis.**

Glareola ocularis, *Fischer, J. f. O.* 1885, p. 115 (Ngáu, Tana River; Mambrui); *Finn, Ibis*, 1893, p. 232 (Mombasa); *Reichen. Vög. deutsch-Ost-Afr.* p. 31 (1894); *Shelley, B. Africa*, i. p. 195 (1896).

e. ♀ ad. sk.	N.E. coast of Madagascar, Oct.	Seebohm Coll.
f, g. ♂ ♀ ad. sk.	Tvoondroo, Madagascar, Oct. 30 (*A. Majastre*).	Seebohm Coll.

Page 63. Galactochrysea liberiæ.

As Dr. Oustalet has given a description of his *Glareola marchei* in 1877, it appears that this name must take precedence over *G. liberiæ* of Schlegel, and the species must be called **Galactochrysea marchii.**

Add :—

Glareola marchei, *Shelley, B. Africa*, i. p. 195 (1896).

f, g. ♂ ♀ ad. sk	St. Paul's River, Liberia, March 15 (*J. Büttikofer*).	Seebohm Coll.

Page 64. Galactochrysea emini.

Add :—

Glareola emini, *Shelley, B. Africa*, i. p. 195 (1896).

Add :— **Page 64. Galactochrysea cinerea.**

Glareola cinerea, *Sharpe, Ibis*, 1870, p. 487 (R. Volta); *Ussher, Ibis*, 1874, p. 74; *W. A. Forbes, Ibis*, 1883, p. 129 (Egga), pp. 504, 514; *Shelley, B. Africa*, i. p. 195 (1896).

Glareola (Galactochrysia) cinerea, *Hartert, J. f. O.* 1886, p. 610 (R. Niger).

"Feet and base of bill red" (*W. A. Forbes*).

i, k. ♂ ad. sk.	River Volta (*H. T. Ussher*).	Seebohm Coll.

Add:— **Page 65. Galactochrysea lactea.**

Glareola lactea, *Beavan*, *Ibis*, 1868, p. 388 (Damoodah R., Manbhoom); *Hume*, *Ibis*, 1869, p. 18 (nesting); *Legge*, *B. Ceylon*, p. 984 (1880); *Reid*, *Str. F.* x. p. 64 (1881: Lucknow); *Barnes*, *l. c.* p. 106 (Kotri); *Simson*, *Ibis*, 1882, p. 92 (Dacca); *Hume*, *Str. F.* xi. p. 312 (1883: Manipur).

r^3. ♀ ad. sk.	Allahabad.	Seebohm Coll.
s^3. Ad. sk.	Bhawulpur, Feb. (*C. H. T. Marshall*).	Seebohm Coll.
t^3. ♀ ad. sk.	Deccan (*Lieut. Burgess*).	Seebohm Coll.
u^3, v^3, w^3. Ad. sk.	Miri Hills.	Godwin-Austen Coll.
x^3. Ad. sk.	Mymensing, Khasia Hills.	Godwin-Austen Coll.

Page 68, line 11 from top, *read* "olive in *Hydrophasis*; in *Metopidius* and in the other genera etc."

Page 69, line 4 from top, *for* "APHALUS" *read* "MICROPARRA."

Add:— **Page 69. Hydrophasis chirurgus.**

Hydrophasianus chirurgus, *Munn*, *Ibis*, 1894, p. 74 (Calcutta district).

Line 7 from bottom, for "*id. t. c.*" read "*Le Messurier.*"

f^3, g^3. ♀ ad. sk.	Futtehgurh distr., Aug. 13 (*A. Anderson*).	Seebohm Coll.
h^3. ♂ ad. sk.	Hankow, China (*R. Swinhoe*).	Seebohm Coll.
i^3. ♂ ad. st.	Hankow, China (*R. Swinhoe*).	Seebohm Coll.
k^3. Juv. sk.	Macao (*R. Swinhoe*).	Seebohm Coll.
l^3. Juv. sk.	Amoy, Nov. (*R. Swinhoe*).	Seebohm Coll.
m^3. Juv. st.	Amoy, Nov. (*R. Swinhoe*).	Seebohm Coll.
n^3. Ad. sk.	Formosa, May (*R. Swinhoe*).	Seebohm Coll.

Add:— **Page 72. Metopidius indicus.**

Metopidius indicus, *Munn*, *Ibis*, 1894, p. 74 (Calcutta district).

e^3. ♂ ad. sk.	Kheree, Futtehgurh district, Feb. 14 (*A. Anderson*).	Seebohm Coll.
f^3. ♂ ad. st.	Futtehgurh district (*A. Anderson*).	Seebohm Coll.

Add:— **Page 76. Phyllopezus africanus.**

Parra africana, *Reichen. Vög. deutsch-Ost-Afr.* p. 51 (1894); *Shelley*, *Ibis*, 1894, p. 25 (Nyasa-land).
Phyllopezus africanus, *Shelley*, *B. Africa*, i. p. 187 (1896).

Add:— **Page 78. Phyllopezus albinucha.**

Phyllopezus albinucha, *Shelley*, *B. Africa*, i. p. 187 (1896).

Add:— **Page 79. Hydralector gallinaceus.**

t. Ad. sk.	Australia.	Seebohm Coll.
u. Ad. sk.	Makassar (*A. R. Wallace*).	Seebohm Coll.

Add:— **Page 82. Jacana jacana.**

Parra jacana, *Aplin, Ibis*, 1894, p. 205 (Uruguay).

c', *d'*. Ad.; *e'*, *f'*. Juv. sk.	Rio de Janeiro.	Alex. Fry, Esq. [P.].

Add:— **Page 86. Asarcia variabilis.**

Jacana spinosa, *Elliot, N. Amer. Shore-Birds*, p. 214 (1895); *A. O. U. Check-l. N. Amer. B.* p. 105 (1895).

Add:— **Page 88. Microparra capensis.**

Microparra capensis, *Reichen. Vög. deutsch-Ost-Afr.* p. 52 (1894: Ugalla River); *Shelley, B. Africa*, i. p. 187 (1896).

Add:— **Page 92. Arenaria interpres.**

Strepsilas interpres, *Palmén, Vega-Exped., Fogelf.* p. 336 (1887); *Lilford, Col. Fig. Brit. B.* part xiv. (1890); *Legge, Proc. Austr. Assoc.* 1892, p. 22; *Tacz. Mém. Acad. St. Pétersb.* (7) xxxix. p. 845 (1893); *Bourns & Worcester, Occ. Papers Minn. Acad.* i. no. 1, p. 31 (1894: Siquijor, Masbati); *Everett, Ibis*, 1895, p. 39 (Balabac); *Poynt. Eggs Brit. B.* part ii. (1895); *Irby, Orn. Str. Gibr.* 2nd ed. p. 273 (1895).

Arenaria interpres, *Reiser, Orn. Balcan.* p. 178 (1894); *Elliot, N. Amer. Shore-Birds*, p. 299, cum tab. (1895); *A. O. U. Check-l. N. Amer. B.* p. 103 (1895); *Sharpe, Handb. Brit. B.* iii. p. 176, pl. 80 (1896); *Shelley, B. Africa*, i. p. 190 (1896).

s^9. ♀ ad. sk.	Co. Galway, Ireland, Jan. 29.	J. E. Harting, Esq. [P.].
t^9. ♂ ad. sk.	Great Yarmouth, May 21.	Seebohm Coll.
u^9, v^9. Juv. sk.	New Romney, Kent, Sept.	Seebohm Coll.
w^9. Imm. sk.	Mauritius, Jan. 21.	Seebohm Coll.
x^9. ♂ ad. sk.	Kistrand, Norway, June 21.	Seebohm Coll.
y^9, z^9, a^{10}. ♂ ad. et imm. sk.	Mouth of Amur River, Aug. (*Dörries*).	Seebohm Coll.
b^{10}–e^{10}. Ad. et imm. sk.	Yokohama.	Seebohm Coll.
f^{10}. Imm. sk.	Amoy, Feb. (*R. Swinhoe*).	Seebohm Coll.
g^{10}. ♀ ad. sk.	Dumaguete, Negros, Feb.	Steere Coll.
h^{10}. ♀ ad. sk.	Zamboanga, Nov.	Steere Coll.
i^{10}. Imm. sk.	Stewart Isl., Solomons (*E. L. Layard*).	Seebohm Coll.
k^{10}. ♂ ad. sk.	Tongatabu, Friendly Isl., Feb. 19 (*E. L. Layard*).	Seebohm Coll.
l^{10}. ♀ imm. sk.	Koro, Fiji Isl., Aug. 22 (*E. L. Layard*).	Seebohm Coll.

m^{10}, n^{10}. ♂ ad. et imm. ak.	New Caledonia, Dec., March (*E. L. Layard*).	Seebohm Coll.
o^{10}. ♀ ad. ak.	Possession Island, Oct. 10.	Seebohm Coll.
p^{10}. ♂ ad. ak.	Taluit, Marshall Isl., Aug. 29 (*O. Finsch*).	Seebohm Coll.
q^{10}. Ad. ak.	Kauai, Hawaii (*Knudsen*).	Professor Collett [P.].
r^{10}. Juv. ak.	Cayenne (*Jelski*).	Seebohm Coll.

Add:— **Page 103. Arenaria melanocephala.**

Arenaria melanocephala, *Elliot, N. Amer. Shore-Birds*, p. 208, cum tab. (1895); *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 104 (1895).

b'. Ad. ak.	Arctic Seas (*Lieut. Pyne*).	Seebohm Coll.
c'. Ad. ak.	S. Michael's, Aug. 16 (*H. M. Bannister*).	Seebohm Coll.
d'. Ad. ak.	California.	Seebohm Coll.
e'. Ad. ak.	San Miguel Island, California.	Seebohm Coll.

Add:— **Page 107. Hæmatopus ostralegus.**

Hæmatopus ostralegus, *Pleske, Uebers. Sitzg. u. Vög. Kola-Halbinsel*, ii. p. 331 (1886); *Blagg, Ibis*, 1893, p. 355 (Shetlands); *Reiser, Orn. Balcan.* p. 179 (1894); *Reichen. Vög. deutsch-Ost-Afr.* p. 31 (1894); *Poynt. Eggs Brit. B.* part i. (1895); *Whitaker, Ibis*, 1895, p. 106 (Tunis); *Irby, Orn. Str. Gibr.* 2nd ed. p. 273 (1895); *Elliot, N. Amer. Shore-Birds*, p. 205, cum tab. (1895); *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 104 (1895); *Sharpe, Handb. Brit. B.* iii. p. 181, pl. 81 (1896); *Shelley, B. Africa*, i. p. 193 (1896).

Hab. Extends to East coast of Africa down to Mozambique.

o', *p'*. ♂ ♀ ad. ak.	Orkneys (*Dunn*).	Seebohm Coll.
q'. ♀ ad. ak.	S. Kilda (*C. Dixon*).	Seebohm Coll.
r'. ♀ ad. ak.	Nairn, Moray Firth, May (*W. Swindell*).	Seebohm Coll.
s'. ♀ ad. st.	Beadwell, Northumberland, May (*J. E. Harting*).	Seebohm Coll.
t'. ♀ ad. st.	Yarmouth, Norfolk, Sept. 25 (*J. E. H.*).	Seebohm Coll.
u'. Juv. ak.	New Romney, Kent, Sept. 1 (*C. Shelley*).	Seebohm Coll.
v'. Juv. st.	Pagham Harbour, Sept. 20 (*J. E. Harting*).	Seebohm Coll.
w'. Ad. ak.	Poole Harbour, Dorset, March 14 (*A. von Hügel*).	Seebohm Coll.
x'. Imm. ak.	Christchurch, Hants, Oct. 3 (*A. von Hügel*).	Seebohm Coll.
y'. ♀ ad. ak.	Instow, N. Devon, Sept. 23 (*J. E. Harting*).	Seebohm Coll.
z'. ♂ imm. ak.	Heligoland (*L. Gätke*).	Seebohm Coll.

a''. ♂ imm. sk.	Jeddah, Red Sea, March 11 (*Zohrab*).	Seebohm Coll.
b''. ♂ imm. sk.	Karachi, Sind, Feb. 25 (*E. A. Butler*).	Seebohm Coll.

Add :— **Page 111. Hæmatopus osculans.**

Hæmatopus ostralegus osculans, *Dyb. & Tacz. Bull. Soc. Zool. France*, ix. p. 146 (1884); *Tacz. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 843 (1893).

f. ♂ ad. sk.	Mouth of Amoor River, May 21 (*Dörries*).	Seebohm Coll.
g. ♂ ad. sk.	Kurile Islands (*Snow*).	Seebohm Coll.
h. Ad. sk.	Japan.	Seebohm Coll.
i–p. Ad. et imm. sk.	Yokohama (*H. Pryer*).	Seebohm Coll.
q, r. ♂ ♀ ad. sk.	Chefoo, May (*R. Swinhoe*).	Seebohm Coll.
s. Ad. sk.	Swatow, Nov.	Seebohm Coll.
t. ♂ juv. sk.	Talienwan, June 27 (*R. Swinhoe*).	Seebohm Coll. (Type of the species.)

Add :— **Page 112. Hæmatopus longirostris.**

Hæmatopus longirostris, *Legge, Proc. Austr. Assoc.* 1892, p. 46.

y. ♀ ad. sk.	Wellington, N. Z., June (*W. Travers*).	Seebohm Coll.
z. ♀ ad. sk.	Canterbury, N. Z., Oct. (*J. R. Cox*).	Seebohm Coll.
a'. ♂ ad. sk.	Saltwater Creek, N. Z. (*Sir J. von Haast*).	Seebohm Coll.
b', c'. ♂ ♀ ad. sk.	Chatham Islands, Aug. (*Sir James Hector*).	Seebohm Coll.
d'. ♀ ad. sk.	Sydney, N. S. W. (*Hake*).	Seebohm Coll.
e'. Ad. sk.	Tasmania.	Seebohm Coll.

Add :— **Page 113. Hæmatopus leucopus.**

t. ♂ ad. sk.	Chili.	Seebohm Coll.
u, v, w. Ad. sk.	Falkland Islands.	Seebohm Coll.

Add :— **Page 114. Hæmatopus palliatus.**

Hæmatopus palliatus, *Elliot, N. Amer. Shore-Birds*, p. 207, cum tab. (1895); *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 104 (1895).

u. ♂ ad. st.	California (*Heerman*).	Seebohm Coll.
v, w. ♂ ♀ ad. sk.	Indian River, Florida, April (*Maynard*).	Seebohm Coll.
x. ♀ ad. sk.	Costa Rica.	Seebohm Coll.

Add :— **Page 117. Hæmatopus frazari.**

Hæmatopus frazari, *Elliot, N. Amer. Shore-Birds*, p. 210, cum tab. (1895); *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 105 (1895).

i. ♂ ad. sk.	Mouth of Zacatula River, W. Mexico, April (*J. Xantus*).	Seebohm Coll.
k, l. ♂ ad. sk.	Chili (*Reed*).	Seebohm Coll.

Add :— **Page 117. Hæmatopus durafordi.**

? Hæmatopus palliatus (*nec T.*), *Aplin, Ibis*, 1894, p. 207 (Uruguay).

Add :— **Page 118. Hæmatopus unicolor.**

Hæmatopus unicolor, *Legge, Proc. Austr. Assoc.* 1892, p. 47.
Hæmatopus ophthalmicus, *Legge, t. c.* p. 48.

w.	Ad. sk.	Australia.	Seebohm Coll.
x.	♀ ad. sk.	Preservation Inlet, New Zealand (*Hector*).	Seebohm Coll.
y.	Ad. sk.	Waikariri, New Zealand (*Haast*).	Seebohm Coll.

Add :— **Page 119. Hæmatopus moquini.**

Hæmatopus capensis, *Shelley, B. Africa*, i. p. 193 (1896).

e.	♀ ad. sk.	Knysna, March 10 (*C. J. Andersson*).	Seebohm Coll.
f.	Ad. sk.	Robben Island, Table Bay (*E. L. Layard*).	Seebohm Coll.

Add :— **Page 120. Hæmatopus niger.**

Hæmatopus bachmani, *Elliot, N. Amer. Shore-Birds*, p. 212, cum tab. (1895); *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 105 (1895).

h.	Ad. sk.	California (*J. Marshall*).	Seebohm Coll.

Add :— **Page 121. Hæmatopus ater.**

y.	♂ ad. sk.	Chili (*E. C. Reed*).	Seebohm Coll.
z.	Ad. st.	Falkland Islands.	Seebohm Coll.
a'.	♂ ad. sk.	Stanley, Falkland Islands, March (*Capt. Harrison*).	Seebohm Coll.

Add :— **Page 123. Oreophilus ruficollis.**

Oreophilus ruficollis, *Aplin, Ibis*, 1894, p. 207 (Uruguay).

o.	♀ ad. sk.	Monte Video, June.	Seebohm Coll.
p.	♂ ♀ ad. sk.	Mendoza (*Reed*).	Seebohm Coll.
q.	♀ ad. sk.	Santiago, Chili.	Seebohm Coll.
r.	♀ ad. sk.	Rio Negro, Patagonia, Aug. (*Hudson*).	Seebohm Coll.
s.	Juv. sk.	Santa Elena, Patagonia, March.	Seebohm Coll.

Add :— **Page 123. Erythrogonys cinctus.**

Charadrius rufiventris, *Seebohm, Geogr. Distr. Charadr.* p. 108, pl. iii. (1888).
Erythrogonys cinctus, *Legge, Proc. Austr. Assoc.* 1892, p. 42.

n.	♂ ad. st.	Queensland.	Seebohm Coll.
o.	♀ ad. sk.	Queensland.	Seebohm Coll.
p, q.	Ad. sk.	Australia.	Seebohm Coll.

Add:— **Page 126. Defilippia crassirostris.**

Hemiparra crassirostris, *Hartert, Kat. Vogels. Senckenb. Mus.* p. 215 (1891 : Senaar).
Vanellus crassirostris, *Shelley, B. Africa*, i. p. 188 (1896).

Page 127. Defilippia leucoptera.

Line 21 from bottom, *read* "S. Lucia Bay."
Line 11 from bottom, *Hemiparra crassirostris*, Hartert etc., to be transferred to *D. crassirostris*, p. 126.
Line 19 from bottom, *for* "p. 96" *read* "p. 26."

Add:—

Vanellus leucopterus, *Shelley, B. Africa*, i. p. 189 (1896).

i, k. Ad. sk.	Zambesi.	Seebohm Coll.
l. Ad. st.	Nyasa-land.	Alfred Sharpe, Esq. [P.]

Add:— **Page 128. Sarciophorus tectus.**

l. Ad. sk.	[Egypt.]	Seebohm Coll.
m. Ad. sk.	Wady-el-Arabah, Arabia (*J. K. Lord*).	Seebohm Coll.
n. Ad. sk.	Abyssinia.	Seebohm Coll.
o. ♀ ad. sk.	Ailat, Abyssinia, June 25 (*W. Jesse*).	Seebohm Coll.
p. Ad. sk.	West Africa.	Seebohm Coll.

Page 130. Lobipluvia malabarica.

Line 5 from bottom, transfer "Blanford's" reference to the next species.

Add:—

h''. Ad. sk.	Nepal.	Seebohm Coll.
i''. Ad. st.	Calcutta.	Seebohm Coll.
k''. Juv. sk.	Coromandel Coast.	Seebohm Coll.

Add:— **Page 133. Microsarcops cinereus.**

Sarciophorus bilobus (*nec Strickl.*), *Blanford, Ibis*, 1870, p. 470 *.

n''. ♂ ad. sk.	Mongolia, April 6.	Seebohm Coll.
o''. ♀ ad. sk.	Chinkiang, March 10 (*R. Swinhoe*).	Seebohm Coll.
p''. Ad. st.	Yokohama (*H. Pryer*).	Seebohm Coll.

Add:— **Page 135. Hoploxypterus cayanus.**

l, m. ♂ ♀ ad. sk.	[Peru.]	Seebohm Coll.
n. ♂ ad. sk.	Lower Ucayali, May 31 (*E. Bartlett*).	Seebohm Coll.
o. Ad. st.	Rio de Janeiro.	Seebohm Coll.

* This reference has hitherto been the sole authority for the occurrence of *Lobipluvia malabarica* in Burma. Some of his specimens were determined for Mr. Blanford, during his absence in India, by Mr. G. R. Gray, who is responsible for the mistake.

p. Ad. ak.	Rio de Janeiro.	Alexander Fry, Esq. [P.].
q, r. Ad. ak.	Savana of British Guiana.	J. J. Quelch & F. V. McConnell, Esqrs. [P.].
s. ♀ ad. ak.	Ourumu, British Guiana, Dec. (*H. Whitely*).	Salvin-Godman Coll.

Add :— **Page 137. Ptiloscelis resplendens.**

r. Ad. st.	Peru.	Seebohm Coll.
s. ♀ ad. ak.	Tinta, Peru, June 15 (*H. Whitely*).	Seebohm Coll.
t. ♀ ad. ak.	Paucatambo, Peru, June (*H. W.*).	Seebohm Coll.

Add :— **Page 139. Lobivanellus lobatus.**

Lobivanellus lobatus, *Legge, Proc. Austr. Assoc.* 1892, p. 43.

p. Ad. ak.	Australia.	Seebohm Coll.
q. Juv. ak.	Queensland.	Seebohm Coll.
r. ♀ ad. st.	Percy Island.	Seebohm Coll.

Add :— **Page 140. Lobivanellus miles.**

Lobivanellus miles, *Legge, Proc. Austr. Assoc.* 1892, p. 43.

n. ♂ ad. ak.	Somerset, Cape York (*J. T. Cockerell*).	Seebohm Coll.
o. ♀ ad. ak.	Aru Islands (*Rosenberg*).	Seebohm Coll.

Add :— **Page 141. Lobivanellus senegalus.**

Lobivanellus senegalus, *Shelley, B. Africa*, i. p. 187 (1896).

q, r. Ad. ak.	Senegambia.	Seebohm Coll.
s. Ad. ak.	Accrá, Gold Coast	Seebohm Coll.

Add :— **Page 142. Lobivanellus lateralis.**

Lobivanellus senegalus (*nec L.*), *Shelley, Ibis*, 1894, p. 26 (Nyassaland).

Lobivanellus lateralis, *Shelley, B. Africa*, i. p. 187 (1896).

l. Ad. ak.	Albert Edward Nyanza.	G. F. Scott Elliot, Esq. [P.].
m. ♀ ad. ak.	Huilla, Benguela, Feb. (*Anchieta*).	Seebohm Coll.
n, o. ♂ ♀ ad. ak.	Ondonga, Ovampo-land, Oct. (*C. J. Andersson*).	Seebohm Coll.

Substitute :— **Page 146.**

b''. No black on the abdomen (except in *Eudromias*), *i. e.* no black on the underparts specially donned in summer as in *Squatarola* and *Charadrius*.

Add:— **Page 147. Xiphidiopterus albiceps.**

Lobivanellus albiceps, *Sjöstedt, K. Sv. Vet.-Akad. Handl. Stockholm*, xxvii. p. 27 (1895); *id. M T. deutsch. Schutzgeb.* viii. p. 13 (1895); *Shelley, B. Africa*, i. p. 187 (1896).

l. Ad. sk.	Loango Coast.	Seebohm Coll.

Add:— **Page 149. Sarcogrammus indicus.**

Lobivanellus indicus, *Munn, Ibis*, 1894, p. 72 (Calcutta district).

Line 22 from bottom, *for* "1871" *read* "1872."

m^3. Ad. sk.	Fao, Persian Gulf, May.	W. D. Cumming, Esq. [P.].
n^3. ♂ ad. sk.	Candahar, Feb. 25 (*Colonel Swinhoe*).	Seebohm Coll.
o^3. ♂ imm. sk.	Secundrabad, Oct. 29.	Seebohm Coll.
p^3. Ad. sk.	Saharunpur, March 21 (*G. F. L. Marshall*).	Seebohm Coll.
q^3. ♂ ad. sk.	Dafla Hills.	Godwin-Austen Coll.
r^3. ♀ ad. sk.	Julpigoree, Bengal, April 25 (*H. J. Elwes*).	Seebohm Coll.

Add:— **Page 152. Sarcogrammus atrinuchalis.**

s''. ♂ ad. sk.	Moulmein, Dec. 20.	Godwin-Austen Coll.

Add:— **Page 153. Tylibyx melanocephalus.**

Sarciophorus melanocephalus, *Shelley, B. Africa*, i. p. 188 (1896).

l. ♂ ad. sk.	Shoa, May 19 (*Antinori*).	Seebohm Coll.

Add:— **Page 154. Zonifer tricolor.**

i. Ad. sk.	Australia.	Seebohm Coll.
k. ♀ ad. st.	Queensland.	Seebohm Coll.

Add:— **Page 157. Hoplopterus spinosus.**

Hoplopterus spinosus, *Sharpe, P. Z. S.* 1895, p. 514 (Somali-land); *Shelley, B. Africa*, i. p. 188 (1896).

b'. Ad. st.	Egypt (*Stafford Allen*).	Seebohm Coll.
c'. Ad. sk.	Egypt, Feb., April (*G. E. Shelley*).	Seebohm Coll.
d'. Ad. sk.	Albert Edward Nyanza.	G. F. Scott Elliot, Esq. [P.].

Add:— **Page 159. Hoplopterus ventralis.**

Hoplopterus malabaricus (*nec Bodd.*), *Blyth, Ibis*, 1867, p. 165.

b''. Ad. sk.	Sikhim.	Seebohm Coll.
c''. Ad. sk.	Teesta R., Sikhim (1500 feet), Sept. (*H. J. Elwes*).	Seebohm Coll.
d''. Ad. sk.	Darjiling.	Seebohm Coll.

e''. ♂ ad. sk.	Naga Hills.	Godwin-Austen Coll.
f''. Ad. sk.	Garo Hills.	Godwin-Austen Coll.
g''. ♀ ad. sk.	Moulmein, Tenasserim, Dec.	Godwin-Austen Coll.
h''. ♂ ad. sk.	Hainan, March (*R. Swinhoe*).	Seebohm Coll.

Add :— **Page 161. Hoplopterus speciosus.**

Hoplopterus speciosus, *Shelley, B. Africa*, i. p. 188 (1896).

t, *u*. Ad. sk.	Natal.	Seebohm Coll.
v. ♀ ad. sk.	Transvaal (*T. Ayres*).	Seebohm Coll.
w. Ad. sk.	Makalaka Country (*Dr. Bradshaw*).	Seebohm Coll.

Add :— **Page 163. Belonopterus cayennensis.**

Vanellus cayennensis, *Aplin, Ibis*, 1894, p. 205 (Uruguay).

r. ♀ ad. sk.	Aunai, British Guiana, May 2, (*H. Whitely*).	Salvin-Godman Coll.
w. Ad. sk.	Savana of British Guiana.	J. J. Quelch & F. V. McConnell, Esqrs, [P.].
x. ♂ ad. sk.	U.S. Colombia.	Seebohm Coll.
y. Ad. sk.	Bahia (*Wucherer*).	Seebohm Coll.
z. Ad. st.	Buenos Ayres, Oct.	Seebohm Coll.

Add :— **Page 165. Belonopterus chilensis.**

r. Ad. sk.	Chili, August. (Type of *Vanellus occidentalis*, Harting.)	Seebohm Coll.
s. Ad. sk.	Chili, August.	Seebohm Coll.
t. Juv. sk.	Santiago, Chili.	Seebohm Coll.

Add :— **Page 166. Vanellus vanellus.**

Vanellus cristatus, *Seebohm, Geogr. Distr. Charadr.* p. 210 (1888); *Taez. Mém. Acad. Imp. Sci. St. Petersb.* (7) xxxix. p. 838 (1893); *Whitaker, Ibis*, 1894, p. 60 (Tunis).

Vanellus vulgaris, *Lilford, Col. Fig. Brit. B.* part xix. (1891); *Blasius, Notes Leyden Mus.* xv. p. 228 (1893); *Eagle Clarke, Ibis*, 1895, p. 206 (Delta of the Rhone); *Irby, Orn. Str. Gibr.* 2nd ed. p. 271 (1895); *Poynt. Eggs Brit. B.* part ii. (1895).

Charadrius vanellus, *Gätke, Vogelw. Helgol.* p. 488 (1891).

Vanellus vanellus, *Reiser, Orn. Balcan.* p. 174 (1894); *Elliot, N. Amer. Shore-Birds*, p. 103, cum tab. (1895); *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 98 (1895); *Sharpe, Handb. Brit. B.* iii. p. 176, pl. 79 (1896).

Hab. Occasionally in Greenland, the Islands of Norton Sound, Alaska, and on Long Island, Barbados.

*b*⁴. Juv. sk.	England (*Jardine Coll.*).	Seebohm Coll.
*c*⁴, *d*⁴, *e*⁴. Pull. sk.	Kingsbury, Middlesex (*J. E. Harting*).	Seebohm Coll.
*f*⁴. ♂ ad. sk.	Harting, Sussex, April 12 (*J. E. Harting*).	Seebohm Coll.

g^4. ♂ ad.; h^4. ♀ alb. sk.	Heligoland, Feb., Dec.	Seebohm Coll.
i^4. ♂ ad. sk.	E. Turkestan, April (*Prjevalsky*).	Seebohm Coll.
k^4. ♂ imm. sk.	Zaidam, Sept. (*Prjevalsky*).	Seebohm Coll.
l^4, m^4, n^4. Ad. et imm. sk.	Yokohama (*H. Pryer*).	Seebohm Coll.
o^4. Ad. sk.	River Yangtse (*T. Blakiston*).	Seebohm Coll.
p^4. Imm. sk.	Foochow, Jan. 2 (*R. Swinhoe*).	Seebohm Coll.

Page 171. **EURYPTERUS.**

Mr. Blanford has pointed out to me that the name *Eurypterus* is already preoccupied in Crustacea; I therefore propose the name of Euhyas in its place.

Page 171. *For* **Eurypterus leucurus** *read* **Euhyas leucura.**

Add:—

Vanellus leucurus, *Shelley, B. Africa*, i. p. 188 (1896).

Line 3 from bottom, *for* "p. 524" *read* "p. 542."

e''. ♂ ad. sk.	Erment near Thebes, Jan. (*E. C. Taylor*).	Seebohm Coll.
f''. ♀ ad. sk.	Kirghiz Steppes (*Severtzoff*).	Seebohm Coll.
g''. Ad. sk.	Syr Darya, April.	Seebohm Coll.
h'', i''. Ad. sk.	Fao, Persian Gulf.	F. Butcher, Esq. [P.].
k'', l''. ♀ ad. sk.	Fao, Feb.	W. D. Cumming, Esq. [P.].
m''. ♂ ad. sk.	Futtehgurh, Feb. 14 (*A. Anderson*).	Seebohm Coll.

Add:— Page 174. **Chætusia gregaria.**

Chettusia gregaria, *Legge, B. Ceylon*, p. 959 (1880).
Vanellus gregarius, *Irby, Orn. Str. Gibr.* 2nd ed. p. 272 (1895); *Shelley, B. Africa*, i. p. 189 (1896).

Line 13 from bottom, *for* "p. 93" *read* "p. 138."

m''. ♂ ad. sk.	Trans-Ural, April 13 (*Severtzoff*).	Seebohm Coll.
n''. Imm. sk.	Samarkand.	Seebohm Coll.
o''. Juv. sk.	Punjab, Nov. 8 (*H. J. Elwes*).	Seebohm Coll.

Add:— Page 178. **Stephanibyx coronatus.**

Stephanibyx coronatus, *Sharpe, P. Z. S.* 1895, p. 514 (Bordwain); *Shelley, B. Africa*, i. p. 188 (1896).

t, *u*. ♂ ♀ ad. sk.	S. Africa (*E. L. Layard*).	Seebohm Coll.
v. Ad. sk.	E. Africa.	Seebohm Coll.
w. Ad. sk.	Somali-land (*E. Lort Phillips*).	Lort Phillips Coll.

Add:— Page 180. **Stephanibyx melanopterus.**

Stephanibyx melanopterus, *Shelley, B. Africa*, i. p. 188 (1896).

l, *m*. Ad. et imm. sk.	Abyssinia.	Seebohm Coll.
n. ♀ ad. sk.	Eland's Post, S. Africa (*T. C. Atmore*).	Seebohm Coll.

Add :— **Page 181. Stephanibyx inornatus.**

Stephanibyx inornatus, *Shelley, B. Africa*, i. p. 188 (1891).

c. Ad. sk.	Accra, April (*J. Smith*).	Seebohm Coll.
d. Ad. sk.	Elmina, April (*Blissett*).	Seebohm Coll.
e. Ad. sk.	Melindi, E. Africa (*Sir J. Kirk*).	Seebohm Coll.
f. Imm. sk.	Durban, Natal (*Millar*).	Seebohm Coll.

Add :— **Page 182. Squatarola helvetica.**

Charadrius squatarola, *Hartert, Ibis*, 1893, p. 307 (Aruba, June); *Reiser, Orn Balcanica*, p. 177 (1894); *Elliot, N. Amer. Shore-Birds*, p. 105, cum tab. (1896); *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 89 (1895).

Squatarola helvetica, *Eagle Clarke, Ibis*, 1895, p. 205 (Delta of the Rhone); *Irby, Orn. Str. Gibr.* 2nd ed. p. 267 (1895); *Sharpe, Handb. Brit. B.* iii. p. 138 (1896); *Shelley, B. Africa*, i. p. 189 (1896).

y^1, z^1. ♂ ♀ ad. sk.	Yarmouth, May (*J. E. Harting*).	Seebohm Coll.
a^2. ♂ ad.; b^1, c^1. ♂ ♀ juv. sk.	Pagham Harbour, Sussex, May, Sept. (*J. E. Harting*).	Seebohm Coll.
d^2. ♂ ad. sk.	Heligoland, May (*L. Gatke*).	Seebohm Coll.
e^1. ♀ ad. sk.	St. Vigors, Havre, France, May (*V. Pluche*).	Seebohm Coll.
f^1. Ad. sk.	Marseo.	Seebohm Coll.
g^1. ♂ ad. sk.	Alexievka, Lower Petchora, July 17 (*H. Seebohm & Harvie-Brown*).	Seebohm Coll.
h^1–l^1. ♂ ♀ juv. sk.	Mouth of Amoor River, Aug., Nov. (*Dorries*)	Seebohm Coll.
m^1, n^1. Juv. sk.	Yokohama, Oct. (*H. Pryer*).	Seebohm Coll.
o^1. Juv. sk.	Liu Kiu Islands, Jan.	Seebohm Coll.
p^1. Ad. sk.	Siquijor, Philippine Islands.	Steere Coll.
q^1. Ad. sk.	Labuan.	A. H. Everett, Esq., C.B.
r^2. ♂ ad. sk.	Sitka, June 8 (*T. H. Bean*).	Seebohm Coll.
s^1. Imm. sk.	Bermudas, Nov. 11.	Capt. Savile Reid C.B.

Add :— **Page 191. Charadrius pluvialis.**

Charadrius auratus, *Gatke, Vogelw. Helgol* p. 470 (1891).

Charadrius pluvialis, *Reiser, Ornis Balcanica*, p. 176 (1894); *Irby, Orn. Straits Gibr.* 2nd ed. p. 266 (1895); *Payn. Eggs Brit. B.* part i. (1895); *Eagle Clarke, Ibis*, 1895, p. 205 (Delta of the Rhone); *Sharpe, Handb. Brit B.* iii. p 143 (1896).

Charadrius apricarius, *A. O. U. Check-list N. Amer. B.* 2nd ed. p 99 (1895); *Elliot, N. Amer. Shore-Birds*, p. 108, cum tab. (1895).

p^{11}. Juv. sk.	Pagham, Sussex, Feb. (*J. E. Harting*).	Seebohm Coll.
q^{11}. ♂ imm. sk.	Heligoland, Oct. 5.	Seebohm Coll.
r^{11}, s^{11}. ♂ ad. sk.	Valley of the Lower Petchora, June (*H. Seebohm & J. A. Harvie-Brown*).	Seebohm Coll.
t^{11}, u^{11}. ♂ ♀ ad. sk.	Valley of the Yen-e-sei, June (*H. S.*).	Seebohm Coll.

Add :— **Page 195. Charadrius dominicus.**

Charadrius fulvus, *Saunders ed. Yarrell's Brit. B.* iii. p. 276 (1883); *id. Man. Brit. B.* p. 553 (1889); *Gätke, Vogelw. Helgol.* p. 481 (1891); *Tacz. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 815 (1893); *Bourns & Worcester, Occ. Papers Minn. Acad.* i. p. 31 (1894: Calamianes; Sibuyan; Masbate); *Meyer & Wiglesw. Abhandl. Zool. Mus. Dresd.* 1894–95, no. 9, p. 8 (Talaut Isl.); *Irby, Orn. Straits Gibr.* 2nd ed. p. 267 (1895); *Poynt. Eggs Brit. B.* part ii. (1895); *Grant, Ibis*, 1895, p. 266 (S.E. Luzon).

Charadrius fulvus, var. virginicus, *Palmén, Vega-Exped., Fogelf.* p. 342, tab. iv. (1887).

Charadrius dominicus, *Tacz. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 818 (1893); *Aplin, Ibis*, 1894, p. 206 (Uruguay); *Poynt. Eggs Brit. B.* part i. (1895); *A. O. U. Check-list N. Amer. B.* 2nd ed. p. 99 (1895); *Elliot, N. Amer. Shore-Birds*, p. 170, cum tab. (1895); *Sharpe, Handb. Brit. B.* iii. p. 147 (1896).

Charadrius dominicus fulvus, *A. O. U. Check-list N. Amer. B.* 2nd ed. p. 100 (1895); *Elliot, N. Amer. Shore Birds*, p. 173 (1895).

δ^3–ζ^3. ♂ ♀ ad. sk.	Valley of the Yen-e-sei, June & July (*A. S.*).	Seebohm Coll.
η^3, θ^3. ♂ imm.; ι^3–ν^3. ♀ imm. sk.	Mouth of the Amoor, Sept., Oct. (*Dörries*)	Seebohm Coll.
ξ^3, o^3. Imm. sk.	Liu Kiu Islands, Jan. (*H. Pryer*).	Seebohm Coll.
π^3, ρ^3. ♀ imm. sk.	Peel Isl., Bonin Group, Sept., Oct. (*P. A. Holst*).	Seebohm Coll.
σ^3. ♀ imm. sk.	Parry Isl., Bonin Group, Oct. 19 (*P. A. Holst*).	Seebohm Coll.
τ^3. ♂ ad.; υ^3, ϕ^3. ♀ ad. sk.	Okinawa, Feb. 4 (*P. A. Holst*).	Seebohm Coll.
χ^3, ψ^3. ♂ ♀ ad. sk.	Shanghai, May (*R. Swinhoe*).	Seebohm Coll.
ω^3. Imm. sk.	Mymensing, Assam.	Godwin-Austen Coll
α^4, β^4. ♂ ad. sk.	Labuan, Sept. 26.	A. H. Everett, Esq. [C.].
γ^4. ♀ imm. sk.	Siquijor, Philippine Islands.	Steere Coll.
δ^4. ♂ imm. sk.	Ayala, Mindanao, Oct.	Steere Coll.
ϵ^4. ♀ imm. sk.	Dumaguete, Negros, Feb. 7.	Steere Coll.
ζ^4. ♀ imm. sk.	Leyte, April.	Steere Coll.
η^4, θ^4. ♀ ad. et imm. sk.	Puerta Princesa, Palawan, Sept.	Steere Coll.
ι^4. Imm. sk.	Balabac, Sept.	Steere Coll.
κ^4. Ad. sk.	Australia.	Seebohm Coll.
λ^4, μ^4. ♂ ♀ ad. sk.	Lord Howe Island, Sept.	Seebohm Coll.
ν^4. ♂ ad. sk.	Noumea, New Caledonia, Oct. 11 (*E. L. Layard*).	Seebohm Coll.
ξ^4. Ad. sk.	Aneiteum, New Hebrides (*E. L. Layard*).	Seebohm Coll.
o^4. Imm. sk.	Makira, Solomon Is. (*E. L. Layard*).	Seebohm Coll.
π^4. ♀ imm. sk.	Ovalau, Fiji Isl., Nov. 13 (*H. L. Layard*).	Seebohm Coll.

ρ^4. ♂ ad. sk.	Kora, Fiji Is., Aug. 23 (*E. L. Layard*).	Seebohm Coll.
σ^4. Imm. sk.	Suva, Fiji Is., Feb. 23 (*Dr. Smith*).	Seebohm Coll.
τ^4. Imm. sk.	Kauai, Hawaiian Islands (*Knudsen*).	Prof. Collett, P.Z.S.
υ^4. Imm. sk.	Bermudas.	Capt. Savile Reid (C.).
ϕ^4. Imm. sk.	Guatemala.	Seebohm Coll.
χ^4. Ad. sk.	Venezuela.	Seebohm Coll.
ψ^4. ♀ ad. sk.	Aunai, British Guiana, Aug. 30 (*H. Whitely*).	Salvin-Godman Coll.
ω^4. ♂ ad. sk.	Chamicuros, Peruvian Amazons (*E. Bartlett*).	Seebohm Coll.
α^5. ♂ ad. sk.	Nauta, Peruvian Amazons (*E. Bartlett*).	Seebohm Coll.
β^5. ♂ ad. sk.	Rio de Janeiro.	Alexander Fry, Esq. (P.Z.S.)

Add:— **Page 208. Aphriza virgata.**

Aphriza virgata, *A. O. U. Check-list N. Amer. B.* p. 103 (1895); *Elliot, N. Amer. Shore-Birds*, p. 197, cum tab. (1895).

l. Ad. st.	Vancouver Island (*J. K. Lord*).	Seebohm Coll.
m. Ad. sk.	Lower California.	Seebohm Coll.

Add:— **Page 211. Ochthodromus obscurus.**

m, n, o. Ad. et imm. sk.	Riverton, S. Isl., New Zealand, Dec. (*A. von Hugel*).	Seebohm Coll.
p, q. ♂ ♀ ad. st.	Saltwater Creek, Canterbury, N. Z. (*Sir J. von Haast*).	Seebohm Coll.
r, s. ♂ ad.; *t.* ♀ ad. sk.	Canterbury, May, Sept., Oct. (*Sir J. von Haast*).	Seebohm Coll.
u. Ad. sk.	Nelson, New Zealand, June (*H. Travers*).	Seebohm Coll.

Add:— **Page 212. Ochthodromus bicinctus.**

t. Ad. sk.	Cape York (*J. T. Cockerell*).	Seebohm Coll.
u, v. Ad. sk.	Queensland.	Seebohm Coll.
w. Imm. sk.	Gippsland Lakes, Victoria.	Seebohm Coll.
x. Imm. sk.	Sydney, Nov.	Seebohm Coll.
y. Ad. sk.	Melbourne.	Seebohm Coll.
z, a'. Ad. st.	New Zealand.	Seebohm Coll.
b', c'. ♂ ♀ imm. sk.	Saltwater Bay, N. Z., May (*Sir J. von Haast*).	Seebohm Coll.
d', e'. ♂ ♀ ad. sk.	Selwyn, N. Z., Sept. (*Sir J. von Haast*).	Seebohm Coll.
f'. ♀ juv. sk.	Orakai, N. Z., March 22.	Seebohm Coll.

Add:— **Page 214. Ochthodromus wilsoni.**

Ægialitis wilsonia, *A. O. U. Check-list N. Amer. B.* 2nd ed. p. 102 (1895); *Elliot, North Amer. Shore-Birds*, p. 191, cum tab. (1895).

p^2, q^2. ♂ ad.; r^2. ♀ ad. sk.	Mosquito, Florida (*C. J. Maynard*).	Seebohm Coll.
s^2. ♀ ad. sk.	Fort Macon, N. Carolina (*E. Coues*).	Seebohm Coll.
t^2, u^2. ♂ ♀ ad. sk.	Chiapam, Guatemala, Jan. (*O. Salvin*).	Seebohm Coll.
v^2. ♀ ad. sk.	Cumana, Sept. 22 (*C. Harrison*).	Seebohm Coll.

Add :— Page 217. **Ochthodromus geoffroyi.**

Ægialitis geoffroyi, *Bourns & Worcester, Occ. Papers Minn. Acad.* i. p. 31 (1894).
Charadrius geoffroyi, *Shelley, B. Africa*, i. p. 189 (1896).

Page 220, line 25 from bottom, *for* "bland" *read* "band."

d^5. ♂ ad. sk.	Annesley Bay, Abyssinia, June 24 (*W. Jesse*).	Seebohm Coll.
e^5, f^5. ♂ ad. sk.	Durban, Natal, March (*Gordge*).	Seebohm Coll.
g^5. Ad. sk.	Madagascar (*Van Dam*).	Seebohm Coll.
h^5, i^5. Ad. sk.	Fao, Persian Gulf, Feb. 7.	S. Butcher, Esq. [P.].
k^5. Ad. sk.	Canton (*S. Bligh*).	Seebohm Coll.
l^5. Ad. sk.	S.W. Formosa (*R. Swinhoe*).	Seebohm Coll.
m^5, n^5. ♀ juv. sk.	Dumaguete, Negros, Feb.	Steere Coll.
o^5, p^5, q^5. ♂ ad.; r^5. ♀ ad. sk.	Bohol, March.	Steere Coll.
s^5, t^5. Ad. sk.	N. Bohol, Oct., Nov. (*A. H. Everett*).	Seebohm Coll.
u^5. ♂ juv.; v^5, w^5. ♀ juv. sk.	Puerto Princesa, Palawan, Sept.	Steere Coll.
x^5. Ad. sk.	Morotai.	Wallace Coll.
y. Ad. st.	S. Australia.	Seebohm Coll.

Add :— Page 223. **Ochthodromus mongolus.**

Ægialitis mongola, *Tacz. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 822 (1893); *Elliot, N. Amer. Shore-Birds*, p. 189, cum tab. (1895); *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 102 (1895).
Ægialitis mongolica, *Bourns & Worcester, Occ. Papers Minn. Acad.* i. p. 31 (1894).

h^5. ♀ ad. sk.	Soumiani, Baluchistan, Feb. 24 (*W. T. Blanford*).	Seebohm Coll.
i^5–s^5. ♂ ad. et juv.; t^5–x^5. ♀ ad. et juv. sk.	Mouth of the Amoor River, Aug. (*Dörries*).	Seebohm Coll.
y^5–e^6. Ad. et juv. sk.	Yokohama (*H. Pryer & O. Snow*).	Seebohm Coll.
f^6. Ad. sk.	Hainan, March (*R. Swinhoe*).	Seebohm Coll.

Add :— Page 226. **Ochthodromus pyrrhothorax.**

Charadrius pyrrhothorax, *Shelley, B. Africa*, i. p. 189 (1896).

Page 227, line 6 from top, *for* "p. 81," *read* "p. 181."

h^4. Ad. sk.	Calcutta.	Godwin-Austen Coll.
i^4. Juv. sk.	Labuan, Sept. (*A. Everett*).	Seebohm Coll.

Add:— **Page 230. Ochthodromus asiaticus.**

Eudromias asiaticus, *Reiser, Orn. Balcanica*, p. 175 (1894).
Charadrius asiaticus, *Shelley, B. Africa*, i. p. 189 (1900).

Page 231, line 20 from top, add:—*Hume, Str. F.* ix. p. 79 (1880).

Hab. Accidental in Europe.

x. Juv. sk.	Cape Town.	Seebohm Coll.
y. Juv. sk.	Newcastle, Natal, Nov. (*H. W. Feilden*).	Seebohm Coll.
z. Imm. sk.	Knysna, Jan. 31.	Seebohm Coll.
a', *b'*. ♂ ad. sk.	Otjimbinque, Damara-land, Dec., Feb. (*C. J. Andersson*).	Seebohm Coll.
c'. ♀ ad. sk.	Jeddah, March 16 (*Zokrab*).	Seebohm Coll.
d'. ♂ imm. sk.	Kairo, Bogos-land, Aug. 15 (*W. T. Blanford*).	Seebohm Coll.
e'. ♂ ad. sk.	Syr Darya, Jan. (*Severtzoff*).	Seebohm Coll.
f', *g'*. ♂ ad. sk.	Lenkoran, April 20.	Seebohm Coll.
h'. ♂ ad. sk.	Samarkand, March 25.	Seebohm Coll.

Add:— **Page 232. Ochthodromus veredus.**

Eudromias veredus, *Legge, Proc. Austr. Assoc.* 1892, p. 35.

y, *z*. ♂: *a'*. ♀ ad. sk.	Shanghai, April (*R. Swinhoe*).	Seebohm Coll.
b'. Ad. sk.	Cochin China.	Seebohm Coll.
c', *d'*. Imm. sk.	Puerto Princesa, Palawan, Sept.	Steere Coll.
e'. Juv. sk.	Celebes.	Seebohm Coll.

Add:— **Page 234. Eudromias morinellus.**

Charadrius morinellus, *Gätke, Vogelw. Helgol.* p. 489 (1891).
Eudromias morinellus, *Palmen, Vega-Exped., Fogelf.* p. 338 (1887); *Blasius, Notes Leyden Mus.* xv. p. 226 (1893); *Taez. Mém. Acad. Sci. St. Petersb.* (7) xxxix. p. 810 (1893); *Irby, Orn. Str. Gibr.* 2nd ed. p. 208 (1895); *Dresser, Eggs Brit. B.* part i. (1895); *Sharpe, Handb. Brit. B.* iii. p. 152 (1896).
Morinella morinella, *Shelley, B. Africa*, i. p. 190 (1900).

Capt. Shelley has taken this species to be the type of the genus *Morinella* of Meyer and Wolf. In this he is quite in error, as the type of that genus is the Turnstone (*Arenaria interpres*).

It will be noticed that I have not adopted the view that the female Dotterel is always larger and brighter than the male, as so many ornithologists have stated to be the case. The series in the British Museum does not confirm their conclusions.

g'. ♂ ad. sk.	Ulceby, Lincolnshire, May 5.	Seebohm Coll.
h'. ♂ ad. sk.	Vadsö, Norway, June 27 (*H. S.*).	Seebohm Coll.
i'. ♀ ad. sk.	Dovrefjeld, Norway, May 25 (*H. S.*).	Seebohm Coll.
k'. Juv. sk.	Quickiock Fells, Lapland, Aug. 14 (*H. Wheelwright*).	Seebohm Coll.

l'. Ad. sk.	R. Petchora, July 6 (*H. S. & J. A. H.-B.*).	Seebohm Coll.
m'. ♂ ad. sk.	Heligoland, May (*L. Gätke*).	Seebohm Coll.
n'. ♂ ad. st.	Heligoland, May (*L. Gätke*).	Seebohm Coll.
o'. ♀ juv. sk.	Seville, Spain, Nov. 4 (*H. Saunders*).	Seebohm Coll.
p'. Juv. st.	Marocco (*Olcese*).	Seebohm Coll.
q'. Juv. sk.	Constantine, Algeria (*Loche*).	Seebohm Coll.
r'. ♀ ad. sk.	Wilderness of Judæa, Palestine, Feb. (*H. B. Tristram*).	Seebohm Coll.
s', *t'*. ♂ ♀ ; *u'*. Pull. sk.	Valley of the Yen-e-sei, June (*H. S.*).	Seebohm Coll.
v', *w'*. ♂ ♀ ad. sk.	Eastern Siberia (*Middendorff*).	Seebohm Coll.

Add :— **Page 238. Zonibyx modesta.**

Charadrius (Eudromias) modestus, *Oust. Miss. Sci. Cap Horn, Ois.* B. p. 111 (1891).

f', *g'*. Ad. sk.	Falkland Islands.	Seebohm Coll.
h'–m'. Imm. sk.	Chili (*E. C. Reed*).	Seebohm Coll.
n'. Ad. sk.	Valparaiso.	Seebohm Coll.
o'. ♀ imm. sk.	Santa Lucia, La Plata, July (*Capt. Harrison*).	Seebohm Coll.

Add :— **Page 240. Podasocys montanus.**

Ægialitis montana, *A. O. U. Check-l. N. Amer. B.* p. 103 (1895); *Elliot, N. Amer. Shore-Birds*, p. 194, cum tab. (1895).

h''. ♂ ad. sk.	Colorado, May 31 (*C. J. Maynard*).	Seebohm Coll.
i''. ♂ ad. sk.	Colorado, June 3 (*C. J. M.*).	Seebohm Coll.
k''. ♂ ad. sk.	Fort Bridger, Utah, May (*C. Drexler*).	Seebohm Coll.
l'', *m''*. ♂ ♀ ad. sk.	Eagle Pass, Texas, Dec.	Seebohm Coll.

Add :— **Page 242. Oxyechus vociferus.**

Ægialitis vocifera, *Saunders, Man. Brit. B.* p. 529 (1889); *A. O. U. Check-l. N. Amer. B.* p. 100 (1895); *Elliot, N. Amer. Shore-Birds*, p. 175, cum tab. (1895); *Poynt. Eggs Brit. B.* part iii. (1896).
Oxyechus vociferus, *Sharpe, Handb. Brit. B.* iii. p. 155 (1896).

w^3, x^3. Imm. sk.	Milton, Canada (*H. S.*).	Seebohm Coll.
y^3. ♂ ad. sk.	Mexico.	Seebohm Coll.
z^3. ♂ ad. sk.	Mexico (*de Oca*).	Seebohm Coll.
a^4. Ad. sk.	Dueñas, Guatemala (*O. Salvin*).	Seebohm Coll.
b^4. Ad. sk.	Jamaica.	Seebohm Coll.
c^4. ♀ juv. sk.	Tambo Valley, Peru, Oct. 24 (*H. Whitely*).	Seebohm Coll.
d^4. ♀ ad. st.	Peru, April (*H. Whitely*).	Seebohm Coll.
e^4. Imm. sk.	Paraguay.	Seebohm Coll.

Add:— **Page 247. Oxyechus tricollaris.**

Oxyechus tricollaris, *Sharpe*, *P. Z. S.* 1895, p. 514 (Lafarok); *Shelley*, *B. Africa*, i. p. 190 (1896).

o'. Ad. sk.	South Africa.	Seebohm Coll.
p'. Ad. sk.	Cape Town (*E. L. Layard*).	Seebohm Coll.
q'. Ad. sk.	Cape Colony.	Seebohm Coll.
r' Juv. sk.	Cape Colony, Jan. (*G. E. Shelley*).	Seebohm Coll.
s'. ♂ ad. sk.	Natal, May 22 (*T. E. Buckley*).	Seebohm Coll.
t', *u'*. ♂ ♀ ad. sk.	Newcastle, Natal, June 25.	Seebohm Coll.
v'. Ad. sk.	Colenso, Natal.	Seebohm Coll.
w'. Ad. sk.	Somali-land (*E. L. P.*).	Lort Phillips Coll.

Add:— **Page 249. Oxyechus bifrontatus.**

Oxyechus bifrontatus, *Shelley*, *B. Africa*, i. p. 190 (1896).

a, *b*, *c*. Ad. sk.	Madagascar.	Seebohm Coll.

Add:— **Page 250. Oxyechus forbesi.**

Oxyechus forbesi, *Shelley*, *B. Africa*, i. p. 190 (1896).

a. Ad. sk.	Accra, Nov. (*H. T. Ussher*).	Seebohm Coll.

Add:— **Page 250. Ægialeus semipalmatus.**

Ægialitis semipalmata, *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 100 (1895); *Elliot*, *N. Amer. Shore-Birds*, p. 178, cum tab. (1895).

t''. Ad. sk.	Lake Ontario, Canada.	C. J. Phelps, Esq. [P.]
u''. Juv. sk.	Lake Ontario, Sept. 8 (*A. Brooks*).	Seebohm Coll.
v''. ♂ ad. sk.	Ipswich, Mass., May 15 (*C. J. Maynard*).	Seebohm Coll.
w''. Juv. sk.	Virginia Beach, 20 miles E. of Norfolk, Sept. (*H. S.*).	Seebohm Coll.
x''. ♀ juv. st.	Virginia Beach, Sept. 6 (*H. S.*).	Seebohm Coll.
y''. Ad sk.	Florida.	Seebohm Coll.
z''. ♀ juv. sk.	Cayenne (*Jelski*).	Seebohm Coll.
a[3]. Ad. sk.	Bahia (*Wucherer*).	Seebohm Coll.
b[3]. Ad. sk.	Brazil.	Seebohm Coll.
c[3], *d*[3]. ♂ ♀ ad. sk.	Sta. Catarina, Brazil, Aug. 4 (*H. W. Harrison*).	Seebohm Coll.
e[3]. ♂ ad. sk.	Port Desire, Patagonia, March (*H. W. Harrison*).	Seebohm Coll.

Add:— **Page 256. Ægialitis hiaticola.**

Charadrius hiaticula, *Gatke*, *Vogelw. Helgol.* p. 493 (1891).

Ægialitis hiaticula, *Palmén*, *Vega-Exped., Fuglef.* p. 339 (1887); *Blasius*, *Notes Leyden Mus.* xv. p. 225 (1893); *Tacz. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 827 (1893); *Reiser*, *Orn. Balcanica*, p. 175 (1894); *Irby*, *Orn. Str. Gibr.* 2nd ed. p. 266

(1895); *A. O. U. Check-l. N. Amer. B.* p. 101 (1895); *Elliot, N. Amer. Shore-Birds*, p. 182, cum tab. (1895); *Eagle Clarke, Ibis*, 1895, p. 206 (Delta of the Rhone); *Shelley, B. Africa*, i. p. 190 (1896); *Poynt. Eggs Brit. B.* part iii. (1896); *Sharpe, Handb. Brit. B.* iii. p. 158, pl. lxxviii. (1896).

p^4. ♀ ad. sk.	Beadnall, Northumberland, May (*J. E. Harting*).	Seebohm Coll.
q^4. Ad. sk.	Lincolnshire Coast, Oct. 25.	Seebohm Coll.
r^4. ♂ juv. sk.	Great Yarmouth, Sept. (*G. Smith*).	Seebohm Coll.
s^4. Juv. sk.	Hastings, Sussex, Aug.	Seebohm Coll.
t^4, u^4, v^4. ♂ ♀ ad. et juv. sk.	Pagham, Sussex, Aug., Dec. (*J. E. Harting*).	Seebohm Coll.
w^4. Juv. st.	Pagham, Aug. 26.	Seebohm Coll.
x^4, y^4, z^4. ♂ ad. sk.	Kistrand, Norway, June.	Seebohm Coll.
a^5. ♂ ad. sk.	Heligoland, May (*L. Gätke*).	Seebohm Coll.
b^5. ♀ ad. sk.	Havre, France, Feb. (*V. Pluche*).	Seebohm Coll.
c^5. ♂ ad. sk.	Havre, Aug.	Seebohm Coll.
d^5, e^5. ♂ ad. sk.	Valley of the Lower Petchora, May, June.	Seebohm Coll.
f^5. ♂ ad. sk.	Valley of the Yen-e-sei, June 12.	Seebohm Coll.
g^5. Imm. sk.	Cape Town, Sept.	Seebohm Coll.
h^5. Imm. sk.	Durban, Natal, May 29.	Seebohm Coll.
i^5. Ad. sk.	Fao, Persian Gulf, Sept.	W. D. Cumming, Esq. [P.].

Page 262. **Ægialitis placida.**

Line 7 from top, erase reference to *Charadrius indicus*, Schlegel, which is *Oxyechus forbesi* (*cf. anteà*, p. 250).

Line 9 from top, *for* "Charadrius" *read* "Ægialitis."

Add:—

Ægialitis placida, *Tacz. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 825 (1893).

z, a'. ♂ ♀ ad. sk.	Mouth of the Amur River, March (*Dörries*).	Seebohm Coll.
b'–i'. Ad. et imm. sk.	Yokohama, Jan., Feb. (*H. Pryer & O. Snow*).	Seebohm Coll.
k'. ♂ ad. sk.	Sapporo, Japan, June 15.	Seebohm Coll.
l', m'. ♂ ♀ ad. sk.	Szechuen, May (*R. Swinhoe*).	Seebohm Coll.
n'. Ad. sk.	Nankiang, Dec. 17 (*F. W. Styan*).	Seebohm Coll.
o'. Ad. sk.	Cherapungi, Khasia Hills.	Godwin-Austen Coll.

Page 263. **Ægialitis dubia.**

Line 13 from bottom, for "*Bulger*" etc. read "*Drake, Ibis*, 1869, p. 154 (Marocco)."

Add:—

Charadrius minor, *Gätke, Vogelw. Helgol.* p. 495 (1891); *Sjöstedt, M T. deutsch. Schutzgeb.* viii. p. 13 (1895); *id. K. Sv. Vet.-Akad. Handl. Stockh.* xxvii. p. 26 (1895).

Ægialitis minor, *Tam. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 880 (1893).

Ægialitis curonicus, *Blasius*, *Notes Leyden Mus.* xv. p. 226 (1893); *Reiser*, *Orn. Balcan.* p. 175 (1894); *Irby*, *Orn. Str. Gibr.* 2nd ed. p. 269 (1895); *Eagle Clarke*, *Ibis*, 1895, p. 206 (Rhone Delta); *Poynt. Eggs Brit. B.* part iii. (1896).

Ægialitis dubia, *Bourns & Worcester*, *Occ. Papers Minn. Acad.* i. p. 31 (1894: Negros); *Grant*, *Ibis*, 1895, p. 266 (Catanduanes), p. 472 (N. Luzon); *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 101 (1895); *Elliot*, *N. Amer. Shore-Birds*, p. 182, cum tab. (1895); *Shelley*, *B. Africa*, i. p. 190 (1896); *Sharpe*, *Handb. Brit. B.* iii. p. 162 (1896).

ν''. Ad. ak.	France (*Fairmaire*).	Seebohm Coll.
ξ''. ♂ ad. ak.	Taurus, Asia Minor, Sept. 22 (*C. G. Danford*).	Seebohm Coll.
o''. ♂ ad. ak.	Egypt (*S. Stafford Allen*).	Seebohm Coll.
π''. ♂ ad. ak.	Elizabetpol, Transcaucasia.	Seebohm Coll.
ρ''. ♀ ad. ak.	E. Turkestan, April (*Prjevalsky*).	Seebohm Coll.
σ''. ♂ ad. ak.	Ceylon, Dec. 16 (*W. V. Legge*).	Seebohm Coll.
τ''. Ad. ak.	Mymensing, Assam.	Godwin-Austen Coll.
υ''. Ad. ak.	Miri Hills.	Godwin-Austen Coll.
ϕ''. ♂ ad. ak.	S.E. Siberia, April 27 (*Janeskousky*).	Seebohm Coll.
χ''. ♂ ad. ak.	Mouth of the Amoor, April 7 (*Dörries*).	Seebohm Coll.
ψ'', ω''. ♂; a^2. ♀ ad. ak.	Mouth of the Amoor, April 7 (*Dörries*).	Seebohm Coll.
β^2, γ^2. Ad. ak.	Yokohama, Japan (*H. Pryer*).	Seebohm Coll.
δ^2, ϵ^2. Ad. ak.	Liu Kiu Islands, Dec. (*H. Pryer*).	Seebohm Coll.
ζ^2, η^2. ♀ ad. ak.	Okinawa, Jan., Feb. (*P. A. Holst*).	Seebohm Coll.
θ^2. Ad. ak.	S.W. Formosa (*R. Swinhoe*).	Seebohm Coll.
ι^2. ♂ ad. ak.	Lakuli River, Formosa, May 23 (*P. A. Holst*).	Seebohm Coll.
κ^2. ♂ ad. ak.	Szechuen, May 9 (*Abbé David*).	Seebohm Coll.
λ^2. ♀ ad. ak.	Guimaras, Jan. 20.	Steere Coll.
μ^2. ♂ ad. ak.	Ayala, Mindanao, Oct.	Steere Coll.
ν^2. ♂ ad. ak.	Palawan, Sept. 5.	Steere Coll.

Page 273. *Ægialitis peroni*.

N.B.—The Siquijor and Negros specimens collected by Professor Steere appear to me to belong to *Æ. alexandrina* and not to *Æ. peroni*.

Add:—

a. Ad. ak.	Java.	Seebohm Coll.
b–y. Ad. ak.	Labuan, Aug., Nov., Dec. (*A. H. Everett*).	Seebohm Coll.
z, *a'*. ♂ ♀ ad. ak.	Zamboanga, Mindanao, Nov., March.	Steere Coll.

Add:— **Page 275. Ægialitis alexandrina.**

Charadrius cantianus, *Gätke, Vogelw. Helgol.* p. 494 (1891).
Ægialitis cantiana, *Blaauw, Notes Leyden Mus.* xv. p. 225 (1893); *Tacz. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 833 (1893); *Eagle Clarke, Ibis*, 1895, p. 206 (Rhone Delta); *Poynt. Eggs Brit. B.* part iii. (1896).
Ægialitis alexandrina, *Reiser, Orn. Balcan.* p. 175 (1894); *Sharpe, Handb. Brit. B.* iii. p. 166 (1896).
Charadrius alexandrinus, *Shelley, B. Africa*, i. p. 189 (1896).

Page 277, line 2 from bottom, *for* "minor" *read* "minutus."

l^8. Pull. sk.	Romney, Kent, June (*Milford*).	Seebohm Coll.
m^8. Ad. st.	Hastings, Sussex.	Seebohm Coll.
n^8. ♀ ad. sk.	Sweden, June 14.	Seebohm Coll.
o^8. ♂ ad. sk.	Rhodes, Dec. 5 (*C. G. Danford*).	Seebohm Coll.
p^8. ♂ ad. sk.	Malaga, April 26 (*H. Saunders*).	Seebohm Coll.
q^8. ♂ ad. sk.	Tangiers, March 24 (*G. E. Shelley*).	Seebohm Coll.
r^8. Imm. sk.	Marocco.	Seebohm Coll.
s^8. Ad. sk.	Nile.	Seebohm Coll.
t^8. Ad. sk.	Aden, Jan. 6.	Capt. Nurse [C.].
u^8. ♂ ad. sk.	Safieh, Palestine, Jan. 25 (*H. B. Tristram*).	Seebohm Coll.
v^8. ♂ ad. sk.	Fao, Persian Gulf, May 20.	W. D. Cumming, Esq. [P.].
w^8. Ad. sk.	Fao, Feb.	S. Butcher, Esq. [P.].
x^8–z^8. ♀ ad. st.	Futtehgurh district, March 22 (*A. Anderson*).	Seebohm Coll.
a^9–d^9. ♂ ad. sk.	Futtehgurh district, March, May, Oct. (*A. A.*).	Seebohm Coll.
e^9. Ad. sk.	Calcutta (*Blyth*).	Seebohm Coll.
f^9. ♂ ad. sk.	S.E. coast of Ceylon, June 27 (*W. V. Legge*).	Seebohm Coll.
g^9. ♂ ad. sk.	Lob-Nor, March (*Prjevalsky*).	Seebohm Coll.
h^9. ♀ ad. sk.	Kokonoor, April (*Prjevalsky*).	Seebohm Coll.
i^9–l^9. ♀ ad. et juv. sk.	Zaidam, Aug. (*Prjevalsky*).	Seebohm Coll.
m^9. Juv. st.	Zaidam, Aug. (*Prjevalsky*).	Seebohm Coll.
n^9–s^9. Ad. sk.	Yokohama (*H. Pryer*).	Seebohm Coll.
t^9. ♀ ad. sk.	Ozukeo, Nov. 14 (*R. Swinhoe*).	Seebohm Coll.
u^9. ♀ ad. sk.	Amoy, May (*R. Swinhoe*).	Seebohm Coll. (Type of *Æ. dealbatus*.)
v^9–f^{10}. Ad. et juv. sk.	Amoy, Jan., June, July, Nov., Dec.	Seebohm Coll.
g^{10}. Ad. sk.	Canton (*S. Bligh*).	Seebohm Coll.
h^{10}. Ad. sk.	N. Formosa, March (*R. Swinhoe*).	Seebohm Coll.
i^{10}–l^{10}. Ad. sk.	Hainan, March (*R. Swinhoe*).	Seebohm Coll.
m^{10}, n^{10}. Ad. sk.	Labuan, March, Nov. (*A. H. Everett*).	Seebohm Coll.
o^{10}. ♂ ad. sk.	Dumaguete, Negros, Feb. 7.	Steere Coll.
p^{10}. ♀ ad. sk.	Siquijor, Feb. 10.	Steere Coll.
q^{10}. Ad. sk.	Sibulan, Feb. 14.	Steere Coll.

Add :— **Page 282. Ægialitis marginata.**

Charadrius marginatus, *Shelley, B. Africa*, i. p. 189 (1896).

p, q, r. ♀ ad. sk.	Table Bay, S. Africa (*E. L. Layard*).	Seebohm Coll.
s. Ad. sk.	George, Knysna (*T. Atmore*).	Seebohm Coll.
t, u. ♀ ad. sk.	Walvisch Bay, Damara-land, Dec., May (*C. J. Andersson*).	Seebohm Coll.

Add :— **Page 284. Ægialitis pallida.**

Charadrius tenellus, *Sjöstedt, MT. deutsch. Schutzgeb.* viii. p. 12 (1895); *id. K. Sv. Vet.-Akad. Handl. Stockh.* xxvii. p. 25 (1895: Cameroons).

Charadrius pallidus, *Shelley, B. Africa*, i. p. 189 (1896).

f. Ad. sk.	Accra, Feb. 10 (*G. E. Shelley*).	Seebohm Coll.
g. Ad. sk.	Fantee, Aug. (*H. T. Ussher*).	Seebohm Coll.
h. Ad. sk.	R. Volta (*H. T. Ussher*).	Seebohm Coll.
i. ♀ ad. sk.	Chinchonxo, R. Congo, April 15 (*Dr. Lucan*).	Seebohm Coll.
k. ♂ ad. sk.	Walvisch Bay, Oct. 14 (*C. J. Andersson*).	Seebohm Coll.
l. Ad. sk.	Port Natal.	Seebohm Coll.
m, n. ♂; *o.* ♀ ad. sk.	Durban, Natal, April (*G. E. Shelley*).	Seebohm Coll.
p. Ad. sk.	Durban, March 27 (*H. S.*).	Seebohm Coll.
q, r. ♂ ad. sk.	Madagascar.	Seebohm Coll.
s, t. ♂ ♀ ad. sk.	Madagascar (*Lantz*).	Seebohm Coll.
u, v. Ad. sk.	Madagascar (*Van Dam*).	Seebohm Coll.

Add :— **Page 286. Ægialitis venusta.**

Charadrius venustus, *Reichen. Vög. deutsch-Ost-Afr.* p. 34 (1894); *Shelley, B. Africa*, i. p. 189 (1896).

Add :— **Page 286. Ægialitis ruficapilla.**

v. Ad. sk.	Tasmania (*Dr. Finsch*).	Seebohm Coll.
w, x. Ad. st.	Australia.	Seebohm Coll.
y. Ad. sk.	S. Australia.	Seebohm Coll.
z, a'. Ad. sk.	Gippsland, Victoria (*Marshall*).	Seebohm Coll.
b', c'. Ad. sk.	Sydney, N.S.W.	Seebohm Coll.
d'. Ad. sk.	Queensland.	Seebohm Coll.
e'–i'. Ad. et juv. sk.	Cape York (*J. T. Cockerell*).	Seebohm Coll.

Add :— **Page 288. Ægialitis collaris.**

g'. ♂ ad. sk.	Santa Marta, U.S. Colombia.	Seebohm Coll.
h'. Ad. sk.	Savana of British Guiana.	J. J. Quelch & F. V. McConnell, Esqrs. [P.]
i'–l'. ♀ ad. sk.	Cosnipata, Peru, April (*H. Whitely*).	Seebohm Coll.

m', *n'*. ♂ ad.; *o'*. ♀ ad. sk.	Yquitos, Peru, June, Sept. (*H. Whitely*).	J. J. Quelch & F. V. McConnell, Esqrs. [P.].
p', *q'*. ♂ ad. sk.	Chamicuros, Peruvian Amazons, April (*E. Bartlett*).	Seebohm Coll.
r'. Ad. sk.	Rio de Janeiro.	Alexander Fry, Esq. [P.].
s'. Ad. sk.	Bahia, Brazil (*Dr. Wücherer*).	Seebohm Coll.
t'. ♀ ad. sk.	Rio Grande, Brazil.	Seebohm Coll.
u', *v'*. ♂ ♀ ad. sk.	Colonia, Uruguay, May, June.	Seebohm Coll.

Add:— **Page 290. Ægialitis nivosa.**

Ægialitis nivosa, *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 102 (1895); *Elliot, N. Amer. Shore-Birds*, p. 187, cum tab. (1895).

x'. Imm. sk.	California.	Seebohm Coll.
y', *z'*. ♂ ♀ ad. sk.	Santa Barbara, California, July (*H. W. Henshaw*).	Seebohm Coll.
a''. Ad. sk.	South Peru (*Howard Saunders*).	Seebohm Coll.
b'', *c''*. ♂ ♀ ad. sk.	Chili.	Seebohm Coll.

Add:— **Page 292. Ægialitis meloda.**

Ægialitis meloda, *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 101 (1895); *Elliot, N. Amer. Shore-Birds*, p. 183, cum tab. (1895).
Ægialitis meloda circumcincta, *A. O. U. Check-l.* 2nd ed. p. 101 (1895); *Elliot, t. c.* p. 184, cum tab. (1895).

b'. Ad. sk.	Greenland, Jan. (*J. Gatcombe*).	Seebohm Coll.
c'–*e'*. Ad. sk.	United States.	Seebohm Coll.
f'. Ad. sk.	Eastport, Maine.	Seebohm Coll.
g'–*l'*. ♂ ♀ ad. et imm. sk.	Ipswich, Massachusetts, Jan., June, Aug., Sept. (*C. J. Maynard*).	Seebohm Coll.
m'. ♂ ad. sk.	Pennsylvania.	Seebohm Coll.

Add:— **Page 295. Ægialitis occidentalis.**

k. ♂ ad. sk.	Sitani, Tarapacá, Jan. (*A. A. Lane*).	Seebohm Coll.
l. ♀ ad. sk.	Huasco, Tarapacá, Feb. (*A. A. Lane*).	Seebohm Coll.

Add:— **Page 295. Ægialitis falklandica.**

v, *w*. Ad. et imm. sk.	Falkland Islands, Feb.	Seebohm Coll.
x. Ad. sk.	East Falklands.	Seebohm Coll.
y. ♀ imm. sk.	Stanley, Falklands, Jan.	Seebohm Coll.
z'. ♂ ad. sk.	Bahia Blanca, Patagonia, Jan.	Seebohm Coll.
a'. Juv. sk.	Coquimbo, Chili, March (*G. Mathew*).	Seebohm Coll.

Add :— **Page 297. Ægialitis pecuaria.**

Charadrius pecuarius, *Shelley, B. Africa*, i. p. 189 (1896).

g'–k'. ♂ ♀ ad. ak.	Egypt, Jan., Feb. (*G. E. Shelley*).	Seebohm Coll.
l'. ♀ ad. ak.	Gambia.	Seebohm Coll.
m'. ♂ ad. ak.	Cape Verd Islands, Sept.	Seebohm Coll.
n'. Ad. ak.	Fantee (*H. T. Ussher*).	Seebohm Coll.
o', p'. Ad. ak.	Transvaal, Feb., March (*T. E. Buckley*).	Seebohm Coll.
q'. ♂ ad. ak.	Rhinoster River, May (*T. Ayres*).	Seebohm Coll.
r'. Juv. ak.	Berg River, May (*E. L. Layard*).	Seebohm Coll.
s', t'. Ad. ak.	Cape Colony, Aug. (*Butler*).	Seebohm Coll.

Page 299. Add :—15 *a*. Ægialitis thoracica.

Ægialitis thoracica, *Richmond, Proc. Biol. Soc. Washington*, x. pp. 53, 54 (1895).

"This species seems to be most nearly related to *Æ. varia* of Africa, also found in Madagascar, but differs from it mainly in the presence of the black pectoral band, and the absence of a wholly black shaft in the third primary; the white line, posterior to the black crescent between the eyes, is more pronounced, and the lesser wing-coverts and primary-coverts are not decidedly blackish. There is also a slight difference in size, particularly noticeable in the bills. Culmen 0·69 inch, wing 4, tail 1·72, tarsus 1·20." (*C. W. Richmond.*)

Hab. Madagascar.

Add :— **Page 299. Ægialitis sanctæ helenæ.**

Charadrius sanctæ helenæ, *Shelley, B. Africa*, i. p. 189 (1896).

k–l. Ad. ak.	St. Helena.	Seebohm Coll.
m, n. Ad.; *o*. Juv. ak.	St. Helena, Jan. 4 (*G. E. Shelley*).	Seebohm Coll.

Add :— **Page 300. Ægialitis melanops.**

Ægialitis nigrifrons, *Campbell, Proc. Austr. Assoc.* 1893, p. 435.

x, y, z. Ad. ak.	Cape York (*J. T. Cockerell*).	Seebohm Coll.
a'. ♂ ad. ak.	Queensland.	Seebohm Coll.
b'. ♂ ad. ak.	New South Wales (*Dr. O. Finsch*).	Seebohm Coll.
c', d'. Ad. et juv. ak.	Sydney (*E. P. Ramsay*).	Seebohm Coll.
e'. Ad. ak.	Yarra Flats, Victoria.	Seebohm Coll.

Add :— **Page 302. Ægialitis cucullata.**

Ægialitis monacha, *Campbell, Proc. Austr. Assoc.* 1893, p. 434.

m. Ad ak.	New South Wales.	Seebohm Coll.
n. Ad. ak.	South Australia.	Seebohm Coll.
o. Ad. ak.	Gipps land Lakes, Victoria.	Seebohm Coll.
p. ♂ ad. ak.	Tasmania.	Seebohm Coll.

Add :— **Page 304. Thinornis novæ zealandiæ.**

h. Juv. sk.	New Zealand.	Seebohm Coll.
i. ♀ ad. sk.	Otago, New Zealand (*Sir J. Hector*).	Seebohm Coll.
k–l. ♂ ♀ ad. sk.	Pitt's Island, N. Z., Dec. (*Sir J. Hector*).	Seebohm Coll.

Add :— **Page 306. Anarhynchus frontalis.**

h. ♀ ad. st.	Rakaia River, Canterbury, New Zealand.	Seebohm Coll.
i. ♂ ad. sk.	Rakaia River, Canterbury, N. Z.	Seebohm Coll.
k, l. ♀ ad. et juv. sk.	Selwyn, N. Z., Oct. (*Sir J. von Haast*).	Seebohm Coll.
m. ♀ ad. sk.	Mangare, June 25.	Seebohm Coll.

Add :— **Page 307. Peltohyas australis.**

Eudromias australis, *Legge, Proc. Austr. Assoc.* 1892, p. 35; *Campbell, op. cit.* 1893, p. 431.

l. Juv. sk.	Burke, River Darling (*Dr. Pechey*).	Seebohm Coll.
m. Ad. sk.	Queensland.	Seebohm Coll.
n. Ad. st.	Australia.	Seebohm Coll.

Add :— **Page 310. Himantopus himantopus.**

Himantopus candidus, *Eagle Clarke, Ibis*, 1895, p. 207; *Barnes, Journ. Bomb. N. H. Soc.* vi. p. 132, pl. i. figs. 898 (1895); *Poynt. Eggs Brit. B.* pt. i. (1895).

Himantopus rufipes, *Gätke. Vogelw. Helgol.* p. 513 (1891).

Himantopus himantopus, *Reiser, Orn. Balcan.* p. 171 (1894); *Sharpe, Handb. Brit. B.* p. 188, pl. lxxxiii. (1896); *Shelley, B. Africa*, i. p. 193 (1896).

i^5. ♂ ad. sk.	Dobrudscha (*Cullen*).	Seebohm Coll.
k^5. ♂ juv. sk.	Delta of the Nile, Feb. 10.	Seebohm Coll.
l^5. Ad. sk.	Madagascar (*Van Dam*).	Seebohm Coll.
m^5. Juv. sk.	Madagascar.	Seebohm Coll.
n^5. Ad. sk.	Ordos (*Prjevalski*).	Seebohm Coll.
o^5. ♂ ad. sk.	E. Turkestan, April (*Prjevalski*).	Seebohm Coll.

Page 313, line 23 from bottom, *for* "entire" *read* "lower."

Add :— **Page 316. Himantopus melanurus.**

n–q. ♂ ♀ ad. sk.	Chili (*E. C. Reed*).	Seebohm Coll.
r–u. ♂ ad. sk.	Santa Cruz, Peruvian Amazons, July 28 (*E. Bartlett*).	Seebohm Coll.
v. Ad. sk.	Peru.	Seebohm Coll.

Add :— **Page 317. Himantopus leucocephalus.**

Himantopus leucocephalus, *Campbell, Proc. Austr. Assoc.* v. p. 441 (1893).

f. Ad. sk.	Australia.	Seebohm Coll.
h. Ad. sk.	Gippsland Lakes, Victoria (*Marshall*).	Seebohm Coll.
i. Imm. sk.	Ayala, Mindanao, Oct.	Steere Coll.

Add :— **Page 319. Himantopus picatus.**

m. Ad. sk.	Rakaia, New Zealand.	Seebohm Coll.
n. ♂ ad.; *o*. Juv. sk.	Selwyn, N. Z., Feb., Sept.	Seebohm Coll.
p. Ad. sk.	South Island, N. Z.	Seebohm Coll.

Add :— **Page 320. Himantopus mexicanus.**

Himantopus mexicanus, *Hartert, Ibis*, 1893, p. 325 (Curaçao), p. 334 (Bonaire).

x', *y'*. Ad. et juv. sk.	Mexico (*L'Estrange*).	Seebohm Coll.
z'. Ad. sk.	Guatemala (*J. G. W. Schultz*).	Seebohm Coll.
a''. Ad. sk.	Bogotá.	Seebohm Coll.

Add :— **Page 323. Himantopus knudseni.**

c. Ad. sk.	Kauai (*Knudsen*).	Prof. Collett [P.].

Add :— **Page 323. Himantopus melas.**

e. Ad. st.	New Zealand.	Seebohm Coll.
p. ♀ ad. sk.	Selwyn, New Zealand, Sept. (*Sir A. von Haast*).	Seebohm Coll.
q. ♀ ad. sk.	Dunedin, New Zealand.	Seebohm Coll.

Add :— **Page 324. Cladorhynchus leucocephalus.**

Himantopus pectoralis, *Legge, Proc. Austr. Assoc.* 1892, p. 28; *Campbell, op. cit.* 1893, p. 439.

m. Imm. sk.	Australia.	Seebohm Coll.
n. Imm. sk.	South Australia.	Seebohm Coll.
o, *p*. Ad. et imm. sk.	Gippsland Lakes, Victoria.	Seebohm Coll.

Add :— **Page 326. Recurvirostra avocetta.**

Recurvirostra avocetta, *Gätke, Vogelw. Helgol.* p. 513 (1891); *Blasius, Notes Leyden Mus.* xv. p. 226 (1893); *Reiser, Orn. Balcan.* p. 173 (1894); *Sjöstedt, MT. deutsch. Schutzgeb.* viii. Heft i. p. 14 (1895); *id. K. Sv. Vet.-Akad. Handl. Stockh.* xx

p. 29 (1895); *Eagle Clarke, Ibis*, 1895, p. 207 (Rhone Delta); *Poynt. Eggs Brit. B.* pt. i. (1895); *Sharpe, Handb. Brit. B.* iii. p. 185, pl. lxxxii. (1896); *Shelley, B. Africa*, i. p. 193 (1896).

Hab. China.

h''. ♀ ad. sk.	Rotterdam, April 13 (*J. E. Harting*).	Seebohm Coll.
i''–k''. ♂ ad.; *l''*. Pull. sk.	S. Spain, June (*Lord Lilford*).	Seebohm Coll.
m''. ♀ juv. sk.	Ondonga, Ovampo-land, Nov. 25 (*C. J. Andersson*).	Seebohm Coll.
n''. Ad. sk.	Fao, Persian Gulf.	S. Butcher, Esq. [P.].

Add :— Page 330. **Recurvirostra americana.**

Recurvirostra americana, *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 83 (1895); *Elliot, N. Amer. Shore-Birds*, p. 32, cum tab. (1895).

s''. ♀ ad. sk.	Salt Lake, Utah, June (*C. J. Maynard*).	Seebohm Coll.
t''. ♀ ad. sk.	Mexico (*A. L. Heerman*).	Seebohm Coll.
u''. ♂ ad. sk.	Chiapam, Guatemala, Jan. (*O. Salvin*).	Seebohm Coll.

Add :— Page 333. **Recurvirostra novæ hollandiæ.**

Recurvirostra novæ-hollandiæ, *Legge, Proc. Austr. Assoc.* 1892, p. 27; *Campbell, op. cit.* 1893, p. 439.

t, u. Ad. sk.	South Australia.	Seebohm Coll.
v. Ad. st.	Wellington, N.Z.	Seebohm Coll.

Add :— Page 334. **Recurvirostra andina.**

e, f. ♂ ♀ ad. sk.	Lake Huasco, Tarapacá, Feb. (*A. A. Lane*).	Seebohm Coll.

Page 335, lines 3, 9 from top, *for* "1830" *read* "1831."

Add :— Page 335. **Ibidorhynchus struthersi.**

Ibidorhynchus struthersi, *Cordeaux, Ibis*, 1894, p. 373 (Suru; Dras).

k'. ♂ ad. sk.	Kansu, May (*Prjevalski*).	Seebohm Coll.
l'. ♀ ad. st.	Southern Mountains of Kokonoor, April (*Prjevalski*).	Seebohm Coll.
m'. ♀ ad. sk.	Southern Mountains of Kokonoor, April (*Prjevalski*).	Seebohm Coll.
n'. Juv. sk.	Ta-tsien-lu (*A. Pratt*).	Seebohm Coll.
o'. Juv. sk.	Sikhim (12,000 ft.), Sept. 14 (*A. Pratt*).	Seebohm Coll.
p'. Ad. sk.	Runjeet River, Sikhim, Jan. (*H. J. Elwes*).	Seebohm Coll.
q' r'. Ad. sk.	Darjiling, Dec. (*L. Mandelli*).	Seebohm Coll.

Page 336, line 17 from top, *for* "2·2" *read* "9·2."
Lieut. Cordeaux says that the feet in the living bird are greenish grey, and turn red shortly after death.

Add :— Page 341. Numenius arquatus.

Numenius lineatus, *Steere, List B. & Mamm. Philipp.* p. 26 (1890: Luzon).
Numenius arquatus, *Blaauw, Notes Leyden Mus.* xv. p. 231 (1893); *Reiser, Orn. Balcanica*, p. 164 (1894); *Pearson & Bidwell, Ibis*, 1894, p. 236 (Porsanger); *Eagle Clarke, Ibis*, 1895, p. 209 (Rhone Delta); *Sharpe, Handb. Brit. B.* iii. p. 317, pl. xcii. (1896); *Shelley, B. Africa*, i. p. 192 (1890); *Poynt. Eggs Brit. B.* part iii. (1896).

w^3. Pull. sk.	England, May 29 (*J. E. Harting*).	Seebohm Coll.
e^3. ♀ ad. st.	Louth, Lincolnshire, Feb. 24 (*J. E. Harting*).	Seebohm Coll.
p^3. ♂ ad. st.	Flintshire, July 18 (*J. E. H.*).	Seebohm Coll.
q^3. ♂ ad.; r^3. ♀ juv. sk.	Pagham Harbour, Sept. (*J. E. H.*).	Seebohm Coll.
s^3. Ad. sk.	Aden, Nov. 15.	Capt. Nurse [C.].
t^3. ♂ ad. sk.	Mouth of the Amoor River, March 27 (*Dörrie*).	Seebohm Coll.
u^3. Imm. st.	Yokohama (*H. Pryer*).	Seebohm Coll.
v^3. Imm. sk.	Yokohama, April (*H. Pryer*).	Seebohm Coll.
w^3. ♀ ad. sk.	Hainan, March (*R. Swinhoe*).	Seebohm Coll.
x^3. ♂ ad. sk.	Dumaguete, Negros, Feb.	Steere Coll.

Add :— Page 348. Numenius tenuirostris.

Numenius tenuirostris, *Blaauw, Notes Leyden Mus.* xv. p. 231 (1893: Holland); *Linder & Floericke, Orn. MB.* i. p. 45 (1893: E. Prussia); *Herman, Aquila*, i. p. 62; *Reiser, Ornis Balcanica*, p. 164 (1894).

Add :— Page 349. Numenius cyanopus.

Numenius cyanopus, *Legge, Proc. Austr. Assoc.* 1892, p. 24.
Numenius major, *Steere, List B. & Mamm. Philipp.* p. 26 (1890: Negros).

b'. ♀ ad. sk.	Argun River, Dauria (*Dybowski*).	Seebohm Coll.
d', d^2. Ad. sk.	Yokohama (*H. Pryer*).	Seebohm Coll.
d', f'. ♂ ♀ ad. sk.	Dumaguete, Negros, Feb. (*J. B. S.*).	Steere Coll.

Add :— Page 350. Numenius longirostris.

Numenius longirostris, *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 97 (1895); *Elliot, N. Amer. Shore-Birds*, p. 151, cum tab. (1891).

a^2. ♂ ad. sk.	Canada.	Seebohm Coll.
c^2. ♀ ad. sk.	California.	Seebohm Coll.

Add :— Page 355. Numenius phaeopus.

Numenius phaeopus, *Blaauw, Notes Leyden Mus.* xv. p. 230 (1893); *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 98 (1895); *Elliot,*

N. Amer. Shore-Birds, p. 162, cum tab. (1895); *Poynt. Eggs Brit. B.* part ii. (1896); *Sharpe, Handb. Brit. B.* iii. p. 322 (1896); *Shelley, B. Africa*, i. p. 192 (1896); *Lilford, Col. Fig. Brit. B.* part xxxii. (1896).

t^3. Ad. sk.	Pagham Harbour, Aug. 19 (*G. E. Shelley*).	Seebohm Coll.
u^3. ♂ juv. sk.	Pagham Harbour, Sept. 20 (*J. E. Harting*).	Seebohm Coll.
v^3. Ad. sk.	River Gambia.	Seebohm Coll.

Add :— Page 361. **Numenius variegatus.**

Numenius phæopus (*nec L.*), *Steere, List B. & Mamm. Philipp.* p. 26 (1890: Panay, Negros, Cebu, Siquijor); *Legge, Proc. Austr. Assoc.* 1892, p. 25.

o''–r''. ♂ ♀ ad. sk.	Mouth of Amoor River, May and Sept. (*Dörries*).	Seebohm Coll.
s''. Ad. sk.	Yokohama (*H. Pryer*).	Seebohm Coll.
t''. ♀ ad. sk.	Hakodadi, Oct. (*Henson*).	Seebohm Coll.
u''. ♀ ad. sk.	Peel Isl., Bonin group, Sept. (*P. A. Holst*).	Seebohm Coll.
v''. ♀ ad. sk.	Takow, Formosa, Sept. (*R. Swinhoe*).	Seebohm Coll.
w''. Ad. sk.	Halmahera.	Seebohm Coll.
x''. Ad. sk.	Batchian, Dec. 31 (*Dr. Bernstein*).	Seebohm Coll.
y''. ♀ ad. sk.	Bua, Vanua Levu, Fiji Is., May (*E. L. Layard*).	Seebohm Coll.
z''. ♂ ad. sk.	Concepcion, Panay, Jan. 20.	Steere Coll.
a^{3*}. ♂ ad. sk.	Cebu, March 5.	Steere Coll.
b^3–d^3. ♂ ♀ ad. sk.	Dumaguete, Negros, Feb.	Steere Coll.
e^3. ♂ ad. sk.	Siquijor, Feb.	Steere Coll.

Add :— Page 364. **Numenius hudsonicus.**

Numenius hudsonicus, *A. O. U. Check-l. N. Amer. B.* p. 97 (1895); *Elliot, N. Amer. Shore-Birds*, p. 154, cum tab. (1895).

f'. Ad. sk.	Lake Ontario, Canada West.	C. J. Phelips, Esq. [P.].
g'. Ad. sk.	Ipswich, Mass., July 17 (*C. J. Maynard*).	Seebohm Coll.
h'. ♀ ad. sk.	Cape St. Lucas, Sept. 21 (*J. Xantus*).	Seebohm Coll.
i'. Ad. st.	Chili.	Seebohm Coll.

Add :— Page 367. **Numenius tahitiensis.**

Numenius tahitiensis, *A. O. U. Check-l. N. Amer. B.* p. 98 (1895); *Elliot, N. Amer. Shore-Birds*, p. 161, cum tab. (1895).

d. Ad. sk.	Samoa.	Seebohm Coll.
e. ♀ ad. st.	Phœnix Island, June 29 (*J. J. Lister*).	Seebohm Coll.

Add:— **Page 368. Numenius borealis.**

Numenius borealis, *Lilford, Col. Fig. Brit. B.* pt. xxi. (1892); *Aplin Ibis*, 1894, p. 210 (Uruguay); *A. O. U. Check-l N. Amer. B.* 2nd ed. p. 97 (1895); *Elliot, N. Amer. Shore-Birds*, p. 158, cum tab. (1895); *Sharpe, Handb. Brit. B.* iii. p. 326 (1896); *Poynt. Eggs Brit. B.* pt. iii. (1896).

f'. Juv. sk.	Labrador.	Seebohm Coll.
g'. ♀ juv. st.	Ipswich, Mass., Sept. (*C. J. Maynard*).	Seebohm Coll.
h'. Ad. sk.	Mexico.	Seebohm Coll.

Add:— **Page 371. Mesoscolopax minutus.**

Numenius minor, *Legge, Proc. Austr. Assoc.* 1892, p. 27.

g. ♀ ad. sk.	Corea, April 28 (*A. Campbell*).	Seebohm Coll.
h. Ad. sk.	Kiukiang, Sept. 20.	Seebohm Coll.
i. ♀ ad. sk.	Amoy, April 30 (*R. Swinhoe*).	Seebohm Coll.
k. ♂ ad. sk.	Aru Islands (*von Rosenberg*).	Seebohm Coll.
l. ♂ ad. sk.	Cape York.	Seebohm Coll.

Add:— **Page 373. Limosa lapponica.**

Limosa lapponica, *Hume & Marshall, Game Birds Ind.* iii. p. 417, cum tab. (1880); *Pleske, Uebers. Saug. u. Vog. Kola-Halbins.* p. 370 (1888); *Blaauw, Notes Leyden Mus.* xv. p. 230 (1893); *Sharpe, Handb. Brit. B.* iii. p. 300 (1896); *Shelley, B. Africa*, i. p. 191 (1896).

Limosa rufa, *Gätke, Vogelw. Helgol.* p. 478 (1891).

Line 18 from bottom, erase the references to "Biddulph" and "Scully," which belong to *Limosa limosa* (infrà, p. 381).

Add:—

w''. ♀ ad.; *x''*. Juv. sk.	Kyleakin, Isle of Skye, Sept. 13.	J. E. R. Oldfield, Esq. [P.]
y''. ♂ ad. sk.	Breydon Harbour, Norfolk, May 14 (*J. E. Harting*).	Seebohm Coll.
z''. Juv. sk.	Near Romney, Sept. (*P. Shelley*).	Seebohm Coll.
*a*³. ♂ ad. sk.	Pagham Harbour, May 8 (*A. Grant*).	Seebohm Coll.
*b*³. ♂ ad. sk.	S. Spain, May 8.	Seebohm Coll.
*c*³–*e*³. ♂ ♀ imm. st.	Veere, Walcheren, Holland, Feb.	F. M. Pike & H. L. Popham, Esqrs. [P.]

Add:— **Page 377. Limosa novæ zealandiæ.**

Limosa novæ zealandiæ, *Legge, Proc. Austr. Assoc.* 1892, p. 8.
Limosa lapponica baueri, *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 92 (1895); *Elliot, N. Amer. Shore-Birds*, p. 107, cum tab. (1895).

v''–*x''*. Ad. et imm. sk.	Mouth of Amoor River, May, Aug., Sept. (*Dorries*).	Seebohm Coll.
y''. Imm. sk.	Yokohama, Sept. 22 (*O. Snow*).	Seebohm Coll.

z''. ♂ ad. sk.	Peel Isl., Bonin Group, Sept. 8 (*P. A. Holst*).	Seebohm Coll.
a^3, b^3. ♂ ad.; c^3. ♀ ad. sk.	Shanghai, April, May (*R. Swinhoe*).	Seebohm Coll.
d^3. Ad. sk.	Dumaguete, Negros, Feb. 6.	Steere Coll.
e^3. Ad. sk.	Bua, Vanua Levu, Fiji Is. (*Col. Tempest*).	Seebohm Coll.
f^3. Ad. sk.	Gippsland Lakes, Victoria.	Seebohm Coll.

Add :—

Page 381. **Limosa limosa.**

Limosa melanura, *Gätke, Vogelw. Helgol.* p. 477 (1891).
Limosa ægocephala, *Blaauw, Notes Leyden Mus.* xv. p. 230 (1893); *A. C. Chapman, Ibis*, 1894, p. 340 (West Jutland).
Limosa limosa, *Reiser, Orn. Balcan.* p. 165 (1894); *A. O. U. Check-l. N. Amer. B.* p. 92 (1895); *Elliot, N. Amer. Shore-Birds*, p. 113, cum tab. (1895); *Sharpe, Handb. Brit. B.* iii. p. 213, pl. xci. (1896); *Shelley, B. Afr.* i. p. 191 (1896).
Limosa belgica, *Poynt. Eggs Brit. B.* pt. ii. (1895).

m^4. ♂ ad. st.	Leadenhall Market.	Seebohm Coll.
n^4. ♀ ad. st.	Rotterdam, April 13 (*J. E. Harting*).	Seebohm Coll.
o^4. ♂ ad. sk.	Kustendji (*Cullen*).	Seebohm Coll.
p^4. ♂ ad. sk.	Damietta, Egypt (*Filipponi*).	Seebohm Coll.
q^4. Ad. sk.	River Argun, Dauria, June 26 (*Dybowski*).	Seebohm Coll.
r^4, s^4. ♂ juv.; t^4. ♀ juv. sk.	Mouth of the Amoor, Aug., Sept. (*Dörries*).	Seebohm Coll.
u^4. Juv. sk.	Yokohama (*H. Pryer*).	Seebohm Coll.
v^4. ♂ juv. sk.	Shanghai, April (*R. Swinhoe*).	Seebohm Coll.
w^4. ♀ juv. sk.	New Britain, Nov. 5 (*O. Finsch*).	Seebohm Coll.
x^4. ♀ juv. sk.	Lifu, Loyalty Island, Jan. 9 (*E. L. Layard*).	Seebohm Coll.
y^4. ♂ juv. sk.	Suva, Fiji (*E. L. Layard*).	Seebohm Coll.

Add :—

Page 388. **Limosa hudsonica.**

Limosa hæmastica, *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 92 (1895); *Elliot, N. Amer. Shore-Birds*, p. 110, cum tab. (1895).

q'. Ad. sk.	Fort Anderson (*M'Farlane*).	Seebohm Coll.
r'. ♀ imm. sk.	Ipswich, Massachusetts, Oct. 20 (*C. J. Maynard*).	Seebohm Coll.
s'. ♀ ad. sk.	California.	Seebohm Coll.
t'. ♀ ad. sk.	Port Desire, Patagonia, March.	Seebohm Coll.

Add :—

Page 391. **Limosa fedoa.**

Limosa fedoa, *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 91 (1895); *Elliot, N. Amer. Shore-Birds*, p. 105, cum tab. (1895).

w. ♀ ad. sk.	Hayes River, Hudson's Bay.	Seebohm Coll.
x. Ad. st.	Iowa, May.	Seebohm Coll.
y. ♀ ad. sk.	California.	Seebohm Coll.

Add:— **Page 394. Macrorhamphus griseus.**

Macrorhamphus griseus, *A. O. U. Check-l. N. Amer. B.* p. 85 (1895); *Elliot, N. Amer. Shore-Birds*, p. 52, cum tab. (1895); *Poynt. Eggs Brit. B.* pt. ii. (1895); *Sharpe, Handb. Brit. B.* iii. p. 306 (1896).
Macrorhamphus scolopaceus, *A. O. U. Check-l. N. Amer. B.* p. 86 (1895); *Elliot, t. c.* p. 57 (1895).

a^3. ♀ juv. st.	Canada.	Seebohm Coll.
b^3. ♂ ad. sk.	Long Island, New York, Sept 26, (*Marshall*).	Seebohm Coll.
c^3. ♂ ad.; c^4. ♀ juv. sk.	Ipswich, Mass., June, Sept. (*C. J. Maynard*).	Seebohm Coll.
d^3. ♂ ad. st.	Pennsylvania.	Seebohm Coll.
e^3. ♂; e^4. ♀ ad. sk.	Salt Lakes, Florida, Oct., Feb. (*C. J. Maynard*).	Seebohm Coll.
f^3. ♀ ad. st.	Salt Lakes, Feb. (*C. J. M.*).	Seebohm Coll.
g^3. ♂ ad. sk.	California.	Seebohm Coll.
h^3. Juv. sk.	British Guiana.	Seebohm Coll.
i^3. Ad. sk.	Bahia (*Wucherer*).	Seebohm Coll.
k^3. Ad.; k^4. Juv. sk.	Yokohama, March 15 (*Snow & Owston*).	Seebohm Coll.

Add:— **Page 400. Macrorhamphus taczanowskii.**

Pseudoscolopax semipalmata, *Tacz. Bull. Soc. Zool. France*, p. 255 (1876); *id. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 936 (1893).

A specimen of a male in breeding-plumage in the Seebohm Collection differs from the male of *M. griseus* not only in its much larger size, but in its much more uniform plumage below, being rufous without any spots on the throat or breast; and, in fact, it very much resembles a Godwit in appearance. The axillaries and under wing-coverts are uniform white, not barred.

Hab. "Java; Borneo."

e, *f. g.* ♂ ad. et juv. sk.	Amoun River, Dauria, April, June (*Dorries*).	Seebohm Coll.

Add:— **Page 401. Micropalama himantopus.**

Micropalama himantopus, *A. O. U. Check-list N. Amer. B.* 2nd ed. p. 81 (1895); *Elliot, N. Amer. Shore-Birds*, p. 60, cum tab. (1895)

a^4. ♂ ad. st.	Ipswich, Massachusetts, July.	Seebohm Coll.
b^4–e^4. ♂ ♀ ad. sk.	Ipswich, July, Aug. (*C. J. Maynard*).	Seebohm Coll.
w^4. Ad. st.	Mexico.	Seebohm Coll.
x^4. ♂ ad. sk.	Ilha Grande, Brazil, Aug.	Seebohm Coll.

Add:— **Page 405. Symphemia semipalmata.**

Symphemia semipalmata, *A. O. U. Check-list N. Amer. B.* 2nd ed. p. 84 (1895); *Elliot, N. Amer. Shore-Birds*, p. 129, cum tab. (1895).
Symphemia semipalmata inornata, *A. O. U. Check-list*, p. 95 (1895).
Symphemia semipalmata speculifera, *Elliot, t. c.* p. 132 (1895).

k''. ♂ juv. st.	Causeway Bay, Long Isl. (*J. Marshall*).	Seebohm Coll.
l''. ♂ ad. st.	Ipswich, Massuchusetts, Feb. (*C. J. Maynard*).	Seebohm Coll.
m'' ♂ ad. sk.	Florida, April (*C. J. Maynard*).	Seebohm Coll.
n''. ♂ ad. sk.	California (*Hardy*).	Seebohm Coll.
o''. Ad. st.	Mexico (*A. L. Heerman*).	Seebohm Coll.
p''. Ad. sk.	Mazatlan (*A. J. Grayson*).	Seebohm Coll.

Add:— Page 409. **Totanus fuscus.**

Totanus fuscus, *Gätke, Vogelw. Helgol.* p. 508 (1891); *Blaauw, Notes Leyden Mus.* xv. p. 230 (1893); *Reiser, Orn. Balcan.* p. 166 (1894); *Eagle Clarke, Ibis*, 1895, p. 208; *Poynt. Eggs Brit. B.* part i. (1895); *Sharpe, Handb. Brit. B.* iii. p. 285, pl. xc. (1896); *Shelley, B. Africa*, i. p. 192 (1896).

*e*³. ♂ ad. sk.	Pomerania, May (*Moeschler*).	Seebohm Coll.
*f*³. ♂ ad. sk.	Near Florence, Italy, April (*H. Giglioli*).	Seebohm Coll.
*g*³. Ad. sk.	Corfu.	Seebohm Coll.
*h*³. Ad. st.	Lenkoran.	Seebohm Coll.
*i*³. ♂ juv. st.	Mouth of the Amoor River, Aug. 25 (*Dörries*).	Seebohm Coll.
*k*³–*n*³. ♂ imm.; *o*³–*s*³. ♀ imm. sk.	Mouth of the Amoor River, Sept. to Nov., March (*Dörries*).	Seebohm Coll.
*t*³. Imm. sk.	Yokohama.	Seebohm Coll.
*u*³. Ad. sk.	Kamtchatka.	Seebohm Coll.
*v*³. Ad. st.	Rajapur, Oudh, April (*A. Anderson*).	Seebohm Coll.
*w*³. Ad. sk.	Futtehgurh, Sept. 30 (*A. Anderson*).	Seebohm Coll.

Add:— Page 414. **Totanus calidris.**

Totanus calidris, *Steere, List B. & Mamm. Philipp.* p. 26 (1890: Negros; Siquijor); *Blaauw, Notes Leyden Mus.* xv. p. 229 (1893); *Reiser, Orn. Balcan.* p. 166 (1895); *Poynt. Eggs Brit. B.* part ii. (1895); *Sharpe, Handb. Brit. B.* iii. p. 299 (1896); *Shelley, B. Africa*, i. p. 191 (1896).

*p*³. Pull. sk.	Orkneys (*Dunn*).	Seebohm Coll.
*q*³. Ad. st.	Walberswick, Norfolk, March.	Seebohm Coll.
*r*³. Pull. sk.	Essex Marshes.	Seebohm Coll.
*s*³. ♀ ad. sk.	Kingsbury, Middlesex, Aug. 18 (*J. E. Harting*).	Seebohm Coll.
*t*³. Ad. st.	Pagham, Sussex, Aug. 14 (*G. E. Shelley*).	Seebohm Coll.
*u*³. ♀ ad. sk.	Abbeville, France, May.	Seebohm Coll.
*v*³. ♂ ad. sk.	Bodö, Norway, June 7 (*H. S.*).	Seebohm Coll.
*w*³. ♂ ad. sk.	Missolonghi, Greece, May 23 (*H. S.*).	Seebohm Coll.
*x*³. Ad. sk.	Fao, Persian Gulf.	S. Butcher, Esq. [P.].
*y*³. ♀ ad. sk.	River Samara, S. Russia, July (*Menzbier.*).	Seebohm Coll.
*z*³. ♀ ad. sk.	Koko-nor, April (*Prjevalsky*).	Seebohm Coll.
*a*⁴. ♀ ad. sk.	Lob-nor, Feb. (*Prjevalsky*).	Seebohm Coll.

b^3–d^3. ♂ ad. et imm. sk.	Mouth of Amoor River, May, Aug. (*Dörries*).	Seebohm Coll.
e^3. Ad. sk.	S.W. Formosa (*R. Swinhoe*).	Seebohm Coll.
f^3. Ad. sk.	Labuan, Nov. 25.	A. H. Everett, Esq. [P.].
g^3, h^3. ♂ ♀ ad. sk.	Dumaguete, Negros, Feb.	Steere Coll.
i^3. ♂ ad. sk.	Siquijor, Feb.	Steere Coll.

Add :— **Page 422. Totanus stagnatilis.**

Totanus stagnatilis, *Reiser, Orn. Balcan.* p. 168 (1894); *Sharpe, Handb. Brit. B.* iii. p. 302 (1896); *Shelley, B. Africa*, i. p. 192 (1896).

v''. ♀ ad. sk.	Malta.	Seebohm Coll.
w''. ♂ ad. st.	Algeria.	Seebohm Coll.
x'', y''. ♂ ♀ ad. sk.	Egypt, April (*G. E. Shelley*).	Seebohm Coll.
z''. ♂ ad. st.	Natal, Nov.	Seebohm Coll.
a^3. ♀ ad. sk.	Durban, March 2 (*Gordge*).	Seebohm Coll.

Add :— **Page 426. Totanus melanoleucus.**

Totanus melanoleucus, *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 93 (1895); *Elliot, N. Amer. Shore-Birds*, p. 115, cum tab. fig. 1 (1895).

i^3. Ad. sk.	Toronto, Canada.	Seebohm Coll.
k^3. Juv. sk.	Philadelphia.	Seebohm Coll.
l^3. Ad. sk.	Santa Marta, U.S. Colombia (*E. C. Taylor*).	Seebohm Coll.
m^3. ♂ ad. sk.	Ecuador (*C. Buckley*).	Seebohm Coll.
n^3. ♀ imm. sk.	Cosnipata, Peru, Nov. 2 (*H. Whitely*).	Seebohm Coll.
o^3. ♀ imm. sk.	Colonia, Uruguay, Nov. 21 (*H. W. Harrison*).	Seebohm Coll.
p^3. ♂ ad. sk.	Santa Elena, Uruguay.	O. V. Aplin, Esq. [C.].

Add :— **Page 431. Totanus flavipes.**

Totanus flavipes, *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 93 (1895); *Elliot, N. Amer. Shore-Birds*, p. 118, fig. 37 (1895); *Sharpe, Handb. Brit. B.* iii. p. 303 (1896).

d^4, e^4. ♂ ♀ ad. sk.	New York (*Bell*).	Seebohm Coll.
f^4. Ad. sk.	New Jersey (*Heerman*).	Seebohm Coll.
g^4. ♂ ad. sk.	Virginia Beach, Sept. 7 (*H. S.*).	Seebohm Coll.
h^4. Ad. sk.	Venezuela (*Goering*).	Seebohm Coll.
i^4–l^4. Imm. sk.	Savana of British Guiana	J. J. Quelch and P. V. McConnell, Esqrs. [P.].
m^4. ♀ ad. sk.	Peru (*H. Whitely*).	Seebohm Coll.
n^4, o^4. ♂ ad. sk.	Chili (*E. C. Reed*).	Seebohm Coll.

Add :— **Page 437. Helodromas ochropus.**

Totanus ochropus, *Reiser, Orn. Balcan.* p. 167 (1894); *Poynt. Eggs Brit. B.* part i. (1895); *A. O. U. Check-l. N. Amer. B.* 2nd ed.

p. 94 (1895); *Elliot, N. Amer. Shore-Birds*, p. 126, fig. 40 (1895); *Shelley, B. Africa*, i. p. 192 (1896).

Helodromas ochropus, *Blaauw, Notes Leyden Mus.* xv. p. 229 (1893); *Barnes, Ibis*, 1893, p. 172 (Aden); *Sharpe, Handb. Brit. B.* iii. p. 289 (1896).

q^7. ♀ imm. st.	Kingsbury, Middlesex, Aug. 2 (*J. E. Harting*).	Seebohm Coll.
r^7. Pull. sk.	Upland, Sweden, June (*Meves*).	Seebohm Coll.
s^7. Pull. sk.	Wermland, Sweden, June.	Seebohm Coll.
t^7. Pull. sk.	Moscow, May 25.	Seebohm Coll.
u^7. Ad. st.	Futtehgurh, April 20 (*A. Anderson*).	Seebohm Coll.
v^7, w^7. ♂ ad. sk.	Valley of the Yen-e-sei, Aug. 18 (*H. S.*).	Seebohm Coll.
x^7. ♂ ad. sk.	Lake Baikal.	Seebohm Coll.
y^7, z^7. ♂ ad. sk.	Mouth of Amoor River, Sept. (*Dörries*).	Seebohm Coll.
a^8–e^8. Ad. sk.	Amoy, Nov. to Jan. (*R. Swinhoe*).	Seebohm Coll.
d^8. ♀ ad. sk.	Formosa, March 17 (*P. A. Holst*).	Seebohm Coll.

Add :— **Page 444. Helodromas solitarius.**

Totanus solitarius, *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 94 (1895); *Elliot, N. Amer. Shore-Birds*, p. 122, fig. 39 (1895).

Helodromas solitarius, *Sharpe, Handb. Brit. B.* iii. p. 292 (1896).

m^3. Ad. st.	Albany, N.Y. (*Hurst*).	Seebohm Coll.
n^3. Juv. st.	St. Croix River, New Brunswick (*Boardman*).	Seebohm Coll.
o^3, p^3. Ad. sk.	New Jersey (*Heerman*).	Seebohm Coll.
q^3. ♂ ad. sk.	Venezuela (*A. Goering*).	Seebohm Coll.
r^3. Ad. sk.	Savana of British Guiana.	J. J. Quelch and F. V. McConnell, Esqrs. [P.].
s^3. ♀ juv. sk.	Chamicuros, Peruvian Amazons, April 7 (*E. Bartlett*).	Seebohm Coll.
t^3. ♀ ad. sk.	Colonia, Uruguay, Nov. (*H. W. Harrison*).	Seebohm Coll.
u^3, v^3. ♂ ♀ ad. sk.	Uruguay, Jan., April, Nov. (*O. V. Aplin*).	Sclater Coll.

Page 449. Add :—3. **Helodromas cinnamomeus.**

Totanus solitarius cinnamomeus, *Brewster, Auk*, vii. p. 377 (1890); *Richm. & Knowlt. Auk*, xi. p. 302 (1894: Montana); *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 94 (1895); *Elliot, N. Amer. Shore-Birds*, p. 126 (1895).

"Similar to *T. solitarius*, but larger, the wings greyer, the light spots on the back, scapulars, and wing-coverts brownish cinnamon, instead of white or buffy-whitish; the sides of the head with more whitish, especially on the lores. No well-defined loral stripe." (*W. Brewster.*)

Hab. Pacific coast of N. America.

Mr. D. G. Elliot pronounces this form to be merely a race of the

Solitary Sandpiper, and not always easily distinguished from the Eastern species. Specimens from Arizona seem to be intermediate.

Add:— **Page 449. Heteractitis brevipes.**

Totanus incanus (*nec Gm.*), *Steere, List B. & Mamm. Philipp.* p. 26 (1890: Mindanao; Negros; Siquijor); *Legge, Proc. Austr. Assoc.* 1892, p. 11.

a''. ♀ ad. sk.	Mouth of Amur River, May (*Dörries*).	Seebohm Coll.
b''. ♂ ad. sk.	Kurile Islands (*O. Snow*).	Seebohm Coll.
c''–h''. Ad. sk.	Yokohama (*H. Pryer & O. Snow*).	Seebohm Coll.
i'', *k''*. Ad. sk.	Liu Kiu Islands. Aug.	Seebohm Coll.
l''. ♀ ad. sk.	Sulphur Isl., Bonin Group, June (*P. A. Holst*).	Seebohm Coll.
m'', *n''*. ♂ ♀ ad. sk.	Peel Isl., Bonin Group, May, June, Oct. (*P. A. Holst*).	Seebohm Coll.
o'', *p''*. ♂ ♀ ad. sk.	Dumaguete, Negros, Feb.	Steere Coll.
q''. ♂ ad. sk.	Siquijor, Feb.	Steere Coll.
r''. ♀ ad. sk.	Ayala, Mindanao, Oct. 17.	Steere Coll.
s''–u''. Ad. sk.	Labuan, Oct., Nov. (*A. H. Everett*).	Seebohm Coll.
v''. ♂ ad. sk.	Morotai (*Bernstein*).	Seebohm Coll.
w''. ♀ ad. sk.	Amboina, Nov. 14.	Seebohm Coll.
x''. ♂ ad. sk.	Duke of York Isl., March (*O. Finsch*).	Seebohm Coll.

Add:— **Page 453. Heteractitis incanus.**

Heteractitis incanus, *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 95 (1895); *Elliot, N. Amer. Shore-Birds*, p. 134, fig. 42 (1895).

i'. ♂ ad. sk.	Bering Island, May 27 (*L. Stejneger*).	Seebohm Coll.
k'. ♂ ad.; *l'*, *m'*. ♀ ad. sk.	Peel Island, Bonin Group, Sept. 29 (*P. A. Holst*).	Seebohm Coll.
n'. ♀ juv. sk.	Oahu, Hawaian Is. (*Scott Wilson*).	Seebohm Coll.
o'. Ad. sk.	Maldon Isl. 25° S. of Hawai (*C. Campbell*).	Seebohm Coll.
p'. ♀ ad. sk.	Samoa Is.	Seebohm Coll.
q'. Ad. sk.	Huahaine, Society Is. (*A. Garrett*).	Seebohm Coll.
r'. ♂ ad. sk.	Fiji Is. (*E. L. Layard*).	Seebohm Coll.
s', *t'*. ♂ ad. sk.	Taviuni, Fiji, Aug. (*E. L. Layard*).	Seebohm Coll.
u'. ♂ ad. sk.	Vitu Levu, June (*A. von Hügel*).	Seebohm Coll.
v'. ♂ ad. sk.	Duke of York Isl., July (*E. L. Layard*).	Seebohm Coll.
w'. Ad. sk.	Aneiteum, New Hebrides (*E. L. Layard*).	Seebohm Coll.
x'. ♀ ad. sk.	Ansevata, New Caledonia, March (*E. L. Layard*).	Seebohm Coll.
y'. ♂ ad. sk.	Noumea, New Caledonia, Oct. (*E. L. Layard*).	Seebohm Coll.

Add:— **Page 456. Tringoides hypoleucus.**

Totanus hypoleucus, *Eagle Clarke, Ibis*, 1895, p. 208; *Shelley, B. Africa.* i. p. 192 (1896).

Tringoides hypoleucus, *Steere, List B. & Mamm. Philipp.* p. 26 (1890: Palawan; Basilan; Guimaras; Panay; Negros); *Blaauw, Notes Leyden Mus.* xv. p. 229 (1893); *Bourns & Worcester, Occ. Papers Minnesota Acad.* i. p. 31 (1894: Samar; Tawi-tawi; Calamianes; Masbate); *Ogilvie-Grant, Ibis*, 1895, p. 266 (S.E. Luzon); *Sharpe, Handb. Brit. B.* iii. p. 283, pl. lxxxix. fig. 1 (1896).

o''. Ad. st.	Brighton.	Seebohm Coll.
π''. Ad. sk.	Marocco.	Seebohm Coll.
ρ''. ♀ ad. st.	Egypt, May (*G. E. Shelley*).	Seebohm Coll.
σ''. ♂ ad. sk.	Asia Minor, May 10 (*C. G. Danford*).	Seebohm Coll.
τ''. Ad. sk.	Aden, April 4.	Capt. Nurse [C.].
υ'', ϕ''. ♂ ad. sk.	Valley of the Yen-e-sei, June (*H. S.*).	Seebohm Coll.
χ'', ψ''. ♂ ad. sk.	Mouth of the Amoor River, May (*Dörries*).	Seebohm Coll.
ω'', a^3. Ad. sk.	Yokohama, Oct. (*H. Pryer & O. Snow*).	Seebohm Coll.
β^3. ♀ ad. sk.	Peel Isl., Bonin Group, July (*P. A. Holst*).	Seebohm Coll.
γ^3. ♀ ad. sk.	Tsu-sima, April 26.	Seebohm Coll.
δ^3, ϵ^3. ♂ ad. sk.	Okinawa-sima, Liu Kiu Isl., Feb., April.	Seebohm Coll.
ζ^3. Ad. sk.	Amoy, April 17 (*R. Swinhoe*).	Seebohm Coll.
η^3, θ^3. ♂ ♀ ad. sk.	Concepcion, Panay, Jan.	Steere Coll.
ι^3, κ^3. ♂ ♀ ad. sk.	Dumaguete, Negros, Feb.	Steere Coll.
λ^3, μ^3. ♂ ♀ ad. sk.	Basilan, Nov.	Steere Coll.
ν^3, ξ^3. ♂ ♀ ad. sk.	Puerto Princesa, Palawan, Sept.	Steere Coll.
o^3. Ad. sk.	Duke of York Isl., Aug. (*E. L. Layard*).	Seebohm Coll.
π, ρ^3. ♂ ♀ ad. sk.	New Britain, July, Oct. (*O. Finsch*).	Seebohm Coll.

Add:— **Page 468. Tringoides macularius.**

Totanus macularius, *Poynt. Eggs Brit. B.* part ii. (1895).

Actitis macularia, *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 97 (1895); *Elliot, N. Amer. Shore-Birds*, p. 147, fig. 46 (1895); *Sharpe, Handb. Brit. B.* iii. p. 286, pl. lxxxix. fig. 2 (1896).

w^5, x^5. ♂ ♀ ad. st.	Pennsylvania (*J. Krider*).	Seebohm Coll.
y^5. Juv. st.	Bartica Grove, Brit. Guiana, Nov. 23 (*H. Whitely*).	Seebohm Coll.
z^5, a^6. Imm. sk.	Savana of British Guiana.	J. J. Quelch and F. V. McConnell, Esqrs. [P.].
b^6. Juv. sk.	Venezuela, Nov. (*A. Goering*).	Seebohm Coll.
c^6. Ad. sk.	Santos, Brazil, Aug. (*H. W. Harrison*).	Seebohm Coll.

Add:— **Page 474. Terekia cinerea.**

Terekia cinerea, *Legge, Proc. Austr. Assoc.* 1892, p. 10; ***Barnes, Ib.*** 1893, p. 171 (Aden); *Styan, t. c.* p. 437 (Hainan); ***Bourne Worcester, Occ. Papers Minnesota Acad.*** i. p. 31 (1894).
Totanus littoreus (*nec L.*), *Shelley, B. Africa*, i. p. 192 (1896).

g^3. Ad. sk.	River Congo (*Dr. Lucan*).	**Seebohm Coll.**
h^3, i^3. ♂ ad.; k^3, l^3. Pull. sk.	R. Dvina, N. Russia, June (*J. A. Harvie-Brown & E. R. Alston*).	**Seebohm Coll.**
m^3. Ad. st.	R. Petchora, July 12 (*J. A. H.-B.*).	**Seebohm Coll.**
n^3–p^3. ♂; q^3. ♀ ad. sk.	Yenesei Valley, June (*H. S.*).	**Seebohm Coll.**
r^3–t^3. ♂; u^3, v^3. ♀ ad. sk.	Mouth of the Amoor, May, Sept. (*Dörries*).	**Seebohm Coll.**
w^3, x^3. Ad. sk.	Yokohama, Sept. (*H. Pryer & O. Snow*).	**Seebohm Coll.**
y^3. Ad. st.	Yokohama (*H. Pryer*).	**Seebohm Coll.**
z^3. ♂ ad. sk.	Dumaguete, Negros, Feb. 6.	**Steere Coll.**

Add:— **Page 479. Pseudoglottis guttifer.**

Totanus haughtoni, *Oates, Handb. B. Brit. Burm.* ii. p. 406 (1883).
Pseudoglottis guttifer, *Taez. Mém. Acad. Imp. Sci. St. Pétersb.* (7) xxxix. p. 858 (1893).

Line 15 from top, *for* ix. *read* viii.

e, f. ♂ ad. et ♀ juv. sk.	Mouth of the Amoor River, May Aug. (*Dörries*).	**Seebohm Coll.**

Add:— **Page 481. Glottis nebularius.**

Totanus glottis, *Steere, List B. & Mamm. Philipp.* p. 483 (1890: Negros).
Totanus canescens, *Barnes, Ibis*, 1893, p. 172 (Aden); ***Blanford, Notes Leyden Mus.*** xv. p. 229 (1893); *Eagle Clarke, Ibis*, 1895, p. 208 (Rhone Delta).
Glottis nebularius, *Sharpe, Handb. Brit. B.* iii. p. 280 (1896).
Totanus nebularius, *Shelley, B. Africa*, i. p. 192 (1896).

c^3. ♀ ad. sk.	Hendon, Middlesex, August (*J. E. Harting*).	**Seebohm Coll.**
d^3. ♂ ad. sk.	Pagham, Sussex, May 9 (*J. E. Harting*).	**Seebohm Coll.**
e^3. ♀ ad. sk.	Dovrefeld, Norway, May (*H. S.*).	**Seebohm Coll.**
f^3. ♀ imm. sk.	Orenburg, Sept. 6 (*Menzbier*).	**Seebohm Coll.**
g^3. Ad. sk.	Lake Shirwa, Nyassa-land, Sept. 21 (*A. Whyte*).	**Sir H. H. Johnston [P.].**
h^3. ♀ ad. sk.	Durban, Natal (*Gordge*).	**Seebohm Coll.**
i^3. ♀ ad. st.	Futtehgurh, Oudh, Sept. 28 (*A. Anderson*).	**Seebohm Coll.**
k^3. Ad. sk.	Sampula, Chotan (*Prjevalski*).	**Seebohm Co**

l^8–p^8. ♂ ♀ ad. et imm. sk.	Mouth of the Amoor River, May, Aug. (*Dörries*).	Seebohm Coll.
q^8. Ad. sk.	Yokohama, Sept. (*O. Snow*).	Seebohm Coll.
r^8. Ad. sk.	South Yezo, Oct.	Seebohm Coll.
s^8. Ad. sk.	Amoy, May (*R. Swinhoe*).	Seebohm Coll.
t^8. Ad. sk.	S.W. Formosa (*R. Swinhoe*).	Seebohm Coll.
u^8. ♂ ad. sk.	Dumaguete, Negros, Feb.	Steere Coll.
v^8. Ad. sk.	Gippsland Lakes, Victoria.	Seebohm Coll.

Add :— Page 491. **Rhyacophilus glareola.**

Totanus glareola, *Lilford, Col. Fig. Brit. B.* part xxvi. (1893); *Blaauw, Notes Leyden Mus.* xv. p. 229 (1893); *Bourns & Worcester, Occ. Papers Minnesota Acad.* i. p. 31 (1894: Calamianes; Siquijor, Cebu); *A. C. Chapman, Ibis*, 1894, p. 343; *Ogilvie-Grant, Ibis*, 1895, p. 472 (N. Luzon); *Shelley, B. Africa*, i. p. 192 (1896).

Rhyacophilus glareola, *Steere, List B. & Mamm. Philipp.* p. 26 (1890: Paragua; Mindanao; Guimaras; Panay; Negros); *Sharpe, Handb. Brit. B.* iii. p. 275 (1896).

ν. ♀ juv. sk.	Yarmouth, Sept. (*J. E. Harting*).	Seebohm Coll.
ξ. ♂ ad. sk.	Heligoland, May (*L. Gätke*).	Seebohm Coll.
o. Pull. sk.	River Dvina, N. Russia, July (*J. A. Harvie-Brown & E. R. Alston*).	Seebohm Coll.
π. Pull. sk.	Alexievka, R. Petchora, July (*H. S.*).	Seebohm Coll.
ρ. ♀ juv. sk.	Near Moscow, Aug. 1 (*M. Menzbier*).	Seebohm Coll.
σ, τ. ♂ ♀ ad. sk.	Yenesei Valley, June, July (*H. S.*).	Seebohm Coll.
υ. ♀ juv. sk.	Sampula, Chotan, Aug. (*Prjevalski*).	Seebohm Coll.
ϕ. ♂ ad.; χ, ψ, ω. ♀ juv. sk.	Mouth of the R. Amoor (*Doerries*).	Seebohm Coll.
α'. ♂ juv. st.	Mouth of the R. Amoor (*Doerries*).	Seebohm Coll.
β'. ♂ juv. sk.	Hakodadi, Japan, Aug. (*Henson*).	Seebohm Coll.
γ'. Juv. sk.	Yokohama (*H. Pryer*).	Seebohm Coll.
δ'. ♂ ad. st.	Futtehgurh, Oudh, April (*A. Anderson*).	Seebohm Coll.
ϵ'. ♀ ad. sk.	Concepcion, Panay, Jan.	Steere Coll.
ζ'. ♀ ad. sk.	Dumaguete, Negros, Feb.	Steere Coll.
η'. ♀ ad. sk.	Ayala, Mindanao, Dec.	Steere Coll.
θ'. ♀ ad. sk.	Guimaras, Jan. 6.	Steere Coll.
ι'–λ'. Ad. sk.	Puerto Princesa, Palawan, Sept.	Steere Coll.
μ'. ♂ ad. sk.	Lado, Equatorial Africa, Feb. 15 (*Emin Pasha*).	Seebohm Coll.
ν'. ♂ ad. sk.	Ondonga, Ovampo-land, Jan. (*J. A. Andersson*).	Seebohm Coll.

Add :— Page 500. **Pavoncella pugnax.**

Machetes pugnax, *Adam. Str. F.* i. p. 396 (1873: Sambhur); *Pleske, Uebers. Säug. u. Vög. Kola-Halbins.* ii. p. 353 (1886); *Blaauw, Notes Leyden Mus.* xv. p. 229 (1893); *A. C. Chapman, Ibis*, 1894, p. 342 (West Jutland); *Poynt. Eggs Brit. B.* part iii. (1896).

Totanus pugnax, *Reiser*, *Orn. Balcan* p. 266 (1894).
Pavoncella pugnax, *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 95 (1895); *Elliot*, *N. Amer. Shore-Birds*, p. 136, fig. 43 (1895); *Sharpe*, *Handb. Brit. B.* iii. p. 271, pl. lxxxviii. (1896); *Shelley*, *B. Africa*, i. p. 101 (1896).

r. ♂ ad. sk.	Hickling, Norfolk (*T. E. Gunn*).	Seebohm Coll.
s, *t*. ♂ ad. sk.	Horsey, near Yarmouth (*J. E. Harting*).	Seebohm Coll.
u, *v*. ♂ ad. st.	R. Dvina, N. Russia, June (*E. R. Alston & J. A. Harvie-Brown*).	Seebohm Coll.
w. ♂ ad. sk.	Archangel, June (*E. R. A. & J. A. H.-B.*)	Seebohm Coll.
x, *y*. ♂ ♀ ad. sk.	Petchora River, June (*H. S.*).	Seebohm Coll.
z. ♂ ad. sk.	Holland, May 10 (*H. S.*).	Seebohm Coll.
a. ♂ ad. sk.	Hungary, June.	Seebohm Coll.
b. ♂ ad. sk.	Tuscany, March.	Seebohm Coll.
c. ♂ ad. sk.	Florence, Feb. (*H. H. Giglioli*).	Seebohm Coll.
d. ♂ ad. sk.	Egypt.	Seebohm Coll.
e. ♂ ad.; *f*. ♀ juv. sk.	Bogos-land (*Esler*).	Seebohm Coll.
g. ♀ ad. sk.	Transvaal (*T. Ayres*).	Seebohm Coll.
h, *i*, *j*, *k*. ♀ ad. sk.	Valley of the Yenesei, June, July (*H. S.*)	Seebohm Coll.
l, *m*. ♂ ad. st.	Valley of the Yenesei, July (*H. S.*).	Seebohm Coll.
n. ♀ ad. sk.	Chotan, Nov. (*Prjevalski*).	Seebohm Coll.
o, *p*, *q*, *r*. ♂ ad.; *s*, *t*. ♂ juv. sk.	E. Siberia (*Maddendorff*).	Seebohm Coll.
u, *v*. ♂ ad.; *w*, *x*. ♂ juv. sk.	Futteghurh district, Sept., Dec. (*A. Anderson*).	Seebohm Coll.

Add: Page 509. **Bartramia longicauda.**

Bartramia longicauda, *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 96 (1895); *Elliot*, *N. Amer. Shore-Birds*, p. 139, fig. 44 (1895); *Sharpe*, *Handb. Brit. B.* iii. p. 267 (1896); *Pryer*, *Ibis*, 1896, p. 511.

l. ♂ ad. sk.	Kensington, Illinois, May (*H. K. Coale*).	Seebohm Coll.
m. Ad. sk.	Bahamas (*Baird*)	Seebohm Coll.
n. Ad. sk.	Vera Paz, Guatemala (*O. Salvin*).	Seebohm Coll.
o. ♀ ad. sk.	Concepcion, Peru, Oct. 3 (*H. Whitely*).	Seebohm Coll.
p. Ad. sk.	Savana of British Guiana.	J. J. Quelch and F. V. McConnell, Esqrs.
q, *r*. ♂ ♀ ad. sk.	Santa Elena, Uruguay, Nov., Jan. (*O. Ayres*)	Sclater Coll.
s. ♂ ad. sk.	Colonia, Uruguay, Dec. 5 (*H. H. Harrison*).	Seebohm Coll.
t. ♂ ad. sk.	Buenos Ayres (*J. Burkett*).	Seebohm Coll.

Add :— Page 514. **Ereunetes pusillus.**

Ereunetes pusillus, *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 90 (1895); *Elliot, N. Amer. Shore-Birds*, p. 97, fig. 28 (1895).
Ereunetes occidentalis, *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 91 (1895); *Elliot, N. Amer. Shore-Birds*, p. 99, fig. 29 (1895).

s^4. ♀ juv. sk.	Point Barrow, Alaska, July (*Dr. Murdoch*).	Seebohm Coll.
t^4. Juv. sk.	Kodiak (*Bischoff*).	Seebohm Coll.
u^4, v^4. ♂ ad. sk.	Burlington Beach, Lake Ontario (*W. E. Brooks*).	Seebohm Coll.
w^4, x^4, y^4. Ad. sk.	New Jersey (*A. L. Heerman*).	Seebo[illegible]
z^4. ♀ juv. st.	Ipswich, Mass., July 10 (*C. J. Maynard*).	Seebohm Coll.
a^5, b^5. ♂ ad. sk.	Ipswich, Mass., July 10 (*C. J. Maynard*).	Seebohm Coll.
c^5. Ad. st.	New York.	Seebohm Coll.
d^5. ♀ ad. sk.	Virginia Beach, Sept. 6 (*H. S.*).	Seebohm Coll.
e^5. ♂ ad. st.	California (*Hardy*).	Seebohm Coll.
f^5. ♂ ad. sk.	Cayenne (*Jelski*).	Seebohm Coll.
g^5. Ad. sk.	Brazil.	Seebohm Coll.
h^5. ♀ ad. sk.	Patagonia, March (*H. Durnford*).	Seebohm Coll.

Add :— Page 521. **Tringites subruficollis.**

Tryngites subruficollis, *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 96 (1895); *Elliot, N. Amer. Shore-Birds*, p. 144, fig. 45 (1895); *Sharpe, Handb. Brit. B.* iii. p. 264 (1896).
Tryngites rufescens, *Poynt. Eggs Brit. B.* part i. (1895).

Add :— Page 526. **Calidris arenaria.**

Tringa arenaria, *Gätke, Vögelw. Helgol.* p. 523 (1891).
Calidris arenaria, *Blaauw, Notes Leyden Mus.* xv. p. 229 (1893); *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 91 (1895); *Elliot, N. Amer. Shore-Birds*, p. 102, fig. 30 (1895); *Poynt. Eggs Brit. B.* part ii. (1895); *Sharpe, Handb. Brit. B.* iii. p. 260 (1896); *Shelley, B. Africa*, i. p. 191 (1896).

Page 535. *For* "**Eurhynorhynchus**" *read* "**Eurynorhynchus.**"

Mr. W. T. Blanford has drawn my attention to the fact that my spelling of this generic name is wrong.

Add :—

Eurynorhynchus pygmæus, *Styan, Ibis*, 1894, p. 336 (Shanghai).

Add :— Page 538. **Limonites minuta.**

Limonites minuta, *Sharpe, Handb. Brit. B.* iii. p. 250 (1896).
Tringa minuta, *Blaauw, Notes Leyden Mus.* xv. p. 228 (1893); *Irby, Orn. Str. Gibr.* 2nd ed. p. 282 (1895); *Shelley, B. Africa*, i. p. 191 (1896).

q^9, r^9. Ad. sk.	Fao, Persian Gulf, May, Aug.	W. D. Cumming, Esq. [P.].

Add :— **Page 545. Limonites ruficollis.**

Tringa temmincki (*nec Leist.*), *Steere, List B. & Mamm. Philipp.* p. 26 (1890 : Negros).
Tringa ruficollis, *Bourns & Worcester, Occ. Papers Minnesota Acad.* i. p. 31 (1894 : Cebu).

b^2. ♀ ad. sk. Dumaguete, Negros, Feb. Steere Coll.

Add :— **Page 548. Limonites minutilla.**

Tringa minutilla, *Elliot, N. Amer. Shore-Birds*, p. 85, fig. 23 (1895); *Poynt. Eggs Brit. B.* part ii. (1895).
Limonites minutilla, *Sharpe, Handb. Brit. B.* iii. p. 255 (1896).

b^2. ♀ ad. sk. Massachusetts, Aug. 27 (*H. W. Henshaw*). Salvin-Godman Coll.
c^2. ♀ ad. sk. Bermudas, April 29. Capt. Savile Reid [C.]
d^2, e^2. ♂ ♀ ad. sk. Corpus Christi, Texas, Nov. (*F. B. Armstrong*). Salvin-Godman Coll.
f^2, g^2, ♂ ad. ; h^2. ♀ ad. sk. Atitlan, Guatemala, Dec., Jan. (*W. B. Richardson*). Salvin-Godman Coll.
$^*m^{1*}$. Ad. sk. Granada, W. I., May, Aug., Sept. (*D. W. Smith*). Salvin-Godman Coll.

Add :— **Page 553. Limonites damacensis.**

Tringa damacensis, *A. O. U. Check-l. N. Amer. B.* p. 89 (1895); *Elliot, N. Amer. Shore-Birds*, p. 87, fig. 24 (1895).
Tringa minuta (*nec L.*), *Steere, List B. & Mamm. Philipp.* p. 26 (1890 : Palawan).

b^1, c^1. Ad. sk. Puerto Princesa, Palawan, Sept. Steere Coll.

Add :— **Page 555. Limonites temmincki.**

Tringa temmincki, *Irby, Orn. Str. Gibr.* 2nd ed. p. 283 (1895).
Limonites temmincki, *Sharpe, Handb. Brit. B.* iii. p. 257 (1896).

Add :— **Page 562. Heteropygia maculata.**

Tringa maculata, *Elliot, N. Amer Shore-Birds*, p. 70, fig. 20 (1895); *Poynt. Eggs Brit. B.* part i. (1895).
Heteropygia maculata, *Sharpe, Handb. Brit. B.* iii. p. 247 (1896).

e^4. Ad. sk. Lion Hill, Panama (*J. M'Leannan*). Salvin-Godman Coll.

Add :— **Page 566. Heteropygia acuminata.**

Tringa acuminata, *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 88 (1895); *Elliot, N. Amer. Shore-Birds*, p. 74, fig. 19 (1895).

Add:— **Page 570. Heteropygia bairdi.**

Tringa bairdi, *Elliot, N. Amer. Shore-Birds*, p. 82, fig. 22 (1895).
Tringa melanota, *Shelley, B. Africa*, i. p. 191 (1896).*

Add:— **Page 574. Heteropygia fuscicollis.**

Tringa fuscicollis, *A. O. U. Check-l. N. Amer. B.* p. 88 (1895); *Elliot, N. Amer. Shore-Birds*, p. 80, fig. 21 (1895); *Poynt. Eggs Brit. B.* part iii. (1896).
Heteropygia fuscicollis, *Sharpe, Handb. Brit. B.* iii. p. 242 (1896).

Add:— **Page 578. Arquatella maritima.**

Tringa maritima, *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 87 (1895); *Shelley, B. Africa*, i. p. 191 (1896).
Tringa striata, *Blaauw, Notes Leyden Mus.* xv. p. 228 (1893); *Poynt. Eggs Brit. B.* part i. (1895).
Arquatella maritima, *Sharpe, Handb. Brit. B.* iii. p. 236 (1896).

Add:— **Page 586. Ancylochilus subarquatus.**

Tringa ferruginea, *A. O. U. Check-l. N. Amer. B.* p. 90 (1895); *Elliot, N. Amer. Shore-Birds*, p. 93, fig. 26 (1895).
Tringa subarquata, *Blaauw, Notes Leyden Mus.* xv. p. 228 (1893); *Shelley, B. Africa*, i. p. 190 (1896).
Ancylochilus subarquatus, *Sharpe, Handb. Brit. B.* iii. p. 240 (1876).

Add:— **Page 593. Tringa canutus.**

Tringa canutus, *Blaauw, Notes Leyden Mus.* xv. p. 229 (1893); *Shelley, B. Africa*, i. p. 191 (1896); *Sharpe, Handb. Brit. B.* iii. p. 232 (1896).

Add:— **Page 600. Tringa crassirostris.**

♀ ad. sk.	Dumaguete, Negros, Feb.	Steere Coll.

Add:— **Page 602. Pelidna alpina.**

Tringa alpina, *Poynt. Eggs Brit. B.* part ii. (1895).

z^a. ♂ ad. sk.	Benbecula, Hebrides, June 8 (*H. J. Elwes*).	Seebohm Coll.
a^9. ♂ ad. sk.	Lancing, Sussex, April 29.	Seebohm Coll.
b^9, c^9. ♂ ad. sk.	Heligoland (*L. Gätke*).	Seebohm Coll.
d^9. Ad. sk.	Havre, France (*N. Pluche*).	Seebohm Coll.
e^9. Imm. sk.	Marocco.	Seebohm Coll.
f^9, g^9. Juv. sk.	Petchora River (68½° N. lat.), July.	Seebohm Coll.

* Up to the moment of writing I have not been able to find the Damara skin, supposed to belong to this species, in the Seebohm collection.

k^3. ♀ ad. sk.	Moscow, June 6 (*Menzbier*).	Seebohm Coll.
i^3. Pull. sk.	Valley of the Yen-e-sei, July 14 (*H. S.*)	Seebohm Coll.
k^3, l^3, m^3. Ad. sk.	Fao, Persian Gulf, April.	W. D. Cumming, Esq. [P.].
n^3, o^3, p^3. Ad. sk.	Fao, Feb.	S. Butcher, Esq. [P.].

Add:— Page 608. **Pelidna americana.**

Tringa alpina pacifica, *A. O. U. Check-l. N. Amer. B.* 2nd ed. p. 89 (1895); *Elliot, N. Amer. Shore-Birds*, p. 90, fig. 25 (1895).

i^3. ♂ ad. sk.	Ipswich, Massachusetts, Oct. (*C. J. Maynard*).	Seebohm Coll.
k^3. ♂ ad. sk.	S.E. Siberia, Sept.	Seebohm Coll.
l^3. ♂ ad. sk.	Mouth of the Amoor River, May, Sept. (*Dörries*).	Seebohm Coll.
m^3, n^3, o^3. ♂ ad. et ♀ imm. st.	Mouth of the Amoor River.	Seebohm Coll.
p^3. ♂ ad. sk.	Yokohama (*H. Pryer*).	Seebohm Coll.
q^3. Ad. sk.	S.W. Formosa (*R. Swinhoe*).	Seebohm Coll.

Add:— Page 612. **Limicola platyrhyncha.**

Limicola platyrhyncha, *Blasius, Notes Leyden Mus.* xv. p. 228 (1893); *Pryer, Eggs Brit. B.* part ii. (1895); *Sharpe, Handb. Brit. B.* iii. p. 223 (1896).

Add:— Page 624. **Gallinago megala.**

p^1. ♀ ad. sk.	Luzon, Sept. 13.	Steere Coll.
q^1. ♂ ad. sk.	Basilan, Nov. 10.	Steere Coll.
r^1. ♀ ad. sk.	Catobalogan, Samar, March 26.	Steere Coll.
s^1. ♂ ad. sk.	Ayala, Mindanao, Oct. 8.	Steere Coll.

ALPHABETICAL INDEX.

Abyssinian Erody, 29.
Actia, 578.
Actidurus, 549.
Actitis, 372, 456.
Actiturus, 549.
Actodromas, 537.
acuminata (Heteropygia), 561, 564, 565, 566, 767.
acuminata (Pelidna), 568.
acuminata (Tringa), 564, 567, 568, 767.
acuminatus (Actodromas), 568.
acuminatus (Limnocinclus), 568.
acuminatus (Totanus), 566.
adspersa (Limosa), 392.
Æchmorhynchus, 520, 524.
Ægialeus, 146, 250.
Ægialites, 744.
Ægialitis, 146, 254.
Ægialodes, 460.
Ægialophilus, 254.
æquicephala (Limosa), 373, 381, 750.
æquicephala (Scolopax), 373.
æquicephalus (Totanus), 373, 381.
ægyptia (Hyas), 32.
ægyptiaca (Hyas), 32.
ægyptiacus (Pluvianus), 32.
ægyptianus (Pluvianus), 32, 723.
ægyptius (Charadrius), 32, 257.
ægyptius (Cursorius), 32.
ægyptius (Hyas), 32.
æneus (Parra), 73.
æneus (Metopidius), 73.
æquatorialis (Ascalopax), 631.
æquatorialis (Gallinago), 617, 631.
æquatorialis (Scolopax), 632.
æquatorialis (Telmatias), 631.
æquinoctialis (Gallinago), 631.
ærata (Parra), 73.
affinis (Edicnemus), 15, 17, 722.
affinis (Rhyncophilus), 494.
affinis (Totanus), 493, 498.
African Jacana, 76.
africana (Parra), 76, 727.
africana (Rhynchæa), 685.
africana (Scolopax), 586.
africanus (Charadrius), 32.
africanus (Cursorius), 43.
africanus (Metopidius), 76.
africanus (Numenius), 586.
africanus (Phyllopezus), 76, 727.
Aguapezzo, 82.
Aguapezzo blanco de lasco, 82.
alba (Chionis), 710, 713.
alba (Limosa), 389.
alba (Rhynchæa), 685.
alba (Scolopax), 388.
alba (Vagimalis), 710.
albescens (Actodromas), 545.
albescens (Calidris), 545.
albescens (Schinclus), 545.
albescens (Tringa), 545, 546.
albicapillus (Charadrius), 142.
albicapillus (Chettusia), 142.
albicapillus (Lobivanellus), 142.
albicapillus (Vanellus), 142.
albiceps (Hoplopterus), 147.
albiceps (Lobivanellus), 127, 147, 162, 733.
albiceps (Sarciophorus), 147.
albiceps Xiphidiopterus), 146, 147, 733.
albiceps (Vanellus), 147.
albicollis (Glottis), 485.
albicollis (Himantopus), 312, 319.
albidipectus (Ægialitis), 283, 284.
albifrons (Ægialitis), 277.
albifrons (Anarhynchus), 306.
albifrons (Charadrius), 276.
albifrons (Vanellus), 142.
albigularis (Ægialitis), 277.
albinucha (Metopidius), 78.
albinucha (Parra), 78.
albinucha (Phyllopezus), 78, 727.
albofasciatus (Rhinoptilus), 43, 48, 725.
albus (Himantopus), 319.
alexandrina (Ægialitis), 255, 275, 279, 745, 746.
alexandrinus (Charadrius), 255, 267, 273, 275, 277, 746.
Alouette de Mer, 602.
Alouette de Mer à Collier, 602.
Alouette-de-mer de S. Domingue, 602.
alpina (Pelidna), 602, 604, 606, 609, 610, 768.
alpina (Scolopax), 604, 608.
alpina (Tringa), 602, 603, 768.
alticeps (Machetes), 502.
altifrons (Charadrius), 193.
Alwargrim Plover, 193.
American Avocet, 309.

American Godwit, 391.
American Whimbrel, 365.
americana (Calidris), 530.
americana (Fedoa), 392.
americana (Himantopus), 331.
americana (Microptera), 679.
americana (Pelidna), 575, 608, 609, 610, 769.
americana (Recurvirostra), 326, 330, 752.
americanus (Charadrius), 201.
americanus (Œdicnemus), 12.
americanus (Pluvialis), 201.
Ammoptila, 32.
amphilensis (Erodia), 29.
Anarhynchus, 146, 306.
Ancylocheilus, 585.
Ancylochilus, 520, 585.
andina (Gallinago), 617, 648.
andina (Recurvirostra), 326, 334, 752.
andina (Scolopax), 648.
andinus (Himantopus), 334.
anglus (Charadrius), 235.
angolensis (Gallinago), 631.
angustirostris (Phalaropus), 701.
annulata (Hiaticula), 259.
annuligerus (Charadrius), 295.
Anomalophrys, 145, 156.
Aphalus, 69, 88, 727.
Aphriza, 146, 208.
apricarius (Charadrius), 183, 192, 196, 737.
apricarius (Pluvialis), 193.
arabs (Hiaticula), 259.
aralensis (Chettusia), 172.
aralensis (Vanellus), 172.
arcticus (Hæmatopus), 113.
ardeola (Dromas), 28, 722.
Arenaria, 91, 526.
arenaria (Calidris), 526, 527, 766.
arenaria (Tringa), 526, 530.
Arenariinæ, 90, 91.
arenarius (Œdicnemus), 6.
armatus (Hoplopterus), 158, 162.
armatus (Pluvianus), 162.
arquata (Cracticornis), 344.
arquata (Pelidna), 589.
arquata (Scolopax), 341, 352.
Arquatella, 520, 578.
arquatella (Tryngа), 580, 583.
arquatula (Numenius), 344.
arquatus (Numenius), 340, 341, 344, 349, 351, 753.
arquatus (Phæopus), 357.
Asarcia, 68, 86.
Ash-coloured Sandpiper, 596, 597.
Ash-coloured Snipe, 453.
Asiatic Plover, 230.
asiatica (Ægialitis), 231.
asiaticus (Charadrius), 217, 219, 230, 233, 240, 741.
asiaticus (Cirrepidesmus), 232.
asiaticus (Cursorius), 39.
asiaticus (Eudromias), 230, 231, 741.
asiaticus (Himantopus), 312.
asiaticus (Morinellus), 231.
asiaticus (Octhodromus), 210, 230, 231, 741.
asiaticus (Phalaropus), 696.
asiaticus (Tachydromus), 39.
assimilis (Œdicnemus), 10.
assimilis (Numenius), 344.
ater (Hæmatopus), 121, 731.
ater (Melanibyx), 121.
ater (Totanus), 412.
atlantica (Symphemia), 405.
atra (Ostralega), 121.
atra (Scolopax), 409.
atra (Tringa), 410.
atricapilla (Tringa), 690.
atricapillus (Charadrius), 178.
atricapillus (Numenius), 361.
atricinctus (Charadrius), 304.
atricollis (Parra), 78.
atrinuchalis (Sarcogrammus), 148, 152, 734.
atripennis (Gallinago), 631.
atrogularis (Charadrius), 149.
atrogularis (Sarcogrammus), 152.
atronuchalis (Chettusia), 152.
atronuchalis (Lobivanellus), 152.
atropterus (Himantopus), 312.
Attagis, 714.
aucklandica (Cœnocorypha), 662.
aucklandica (Gallinago), 616, 618, 661, 663, 664.
aucklandica (Gallinula), 661, 662, 663.
aucklandica (Scolopax), 662, 663, 664.
auduboni (Hemipalma), 402.
auduboni (Tringa), 401.
Audubon's Stilt-Sandpiper, 401.
auratus (Charadrius), 192, 737.
auratus (Totanus), 461.
aurea (Charadrius), 192.
aurea (Pluvialis), 193.
aurita (Tringa), 566.
auritus (Ægialitis), 259.
australasiana (Limosa), 378, 380.
australasianus (Hæmatopus), 112.
australasianus (Numenius), 351.
australis (Actiturus), 567.
australis (Actodromas), 545.
australis (Charadrius), 307.
australis (Eudromias), 307, 750.
australis (Gallinago), 617, 652, 653, 690.
australis (Glareola), 52.
australis (Limosa), 389.

australis (Mormellus), 307.
australis (Numenius), 350, 388.
australis (Œdicnemus), 19.
australis (Pelidna), 567.
australis (Peltohyas), 307, 750.
australis (Phalaropus), 701.
australis (Rhynchæa), 680.
australis (Rostratula), 683, 690.
australis (Scharniclus), 307.
australis (Scolopax), 625, 692.
australis (Squatarola), 187.
australis (Telmatias), 633
australis (Tringa), 545, 566, 586.
australica (Hareola), 54.
Austrian Pratincole, 54.
autumnalis (Himantopus), 313, 318.
Avocet, 325, 328.
Avocetta, 325.
avocetta (Himantopus), 328
avocetta (Recurvirostra), 325, 328, 751.
avocetta (Scolopax), 328.
Avocette, L', 325.
Avocet, American, 330.
Avocet, Scouping, 328.
Avocet, Terek, 474.
Avocetta, 325
azara (Charadrius), 288.
azara (Hiaticula), 288, 289.

bachmanni (Hæmatopus), 129, 731
baird (Actodromas), 570.
baird (Heteropygia), 562, 570, 571, 576, 765
baird (Tringa), 564, 571, 765
Barge, La, 381.
Barge aboyeuse, La, 481
Barge brune, La, 409.
Barge commune, La, 381.
Barge grise, La, 481.
Barge rousse, 373.
Barge rousse d'Amérique, 391.
barge (Limosa), 377.
Barker, 481.
Barred Phalarope, 524.
Bar-tailed Godwit 373, 374.
bartrami (Actitis), 509.
bartrami (Actiturus), 511.
bartrami (Totanus), 511.
Bartramia, 339, 509.
bartramia (Eulgia), 511.
bartramia (Tringa), 509, 510.
bartramius (Actidurus), 509.
bartramius (Actitis), 511.
bartramius (Actiturus), 509.
bartramius (Totanus), 509.
bartramius (Tringoides), 510.
Bartram's Sandpiper, 510.
Bartram's Tatler, 509.
Bastard Plover, 166.
bathicus (Hæmatopus), 109.
baueri (Limosa), 377, 755.
Becasina prima, 650.
Becasina secunda, 646.
Becasse, La, 671, 673.
Becasse de Savanes, 659.
Becasseau, Le, 437.
Becassine, 633
Becassine de la Chine, 683
Becassine des Savanes de Cayenne 659.
Becasseau cul-blanc, Le, 437.
Becassine blanche des Indes, 683.
Becassine d'Angleterre, La, 682.
Becassine de Madagascar, 683.
Becassine de Madrast, 683
Becassine du Cap de Bonne Esperance, 683.
belgica (Limosa), 384, 756
belgica (Scolopax), 381.
belonii (Œdicnemus), 6.
Belonopterus, 145, 153.
Bengal Water-Rail, 683.
bengalensis (Rhynchæa) 685.
bengalensis (Rostratula), 683.
benghalensis (Rallus), 683.
bernieri (Gallinula), 649.
bicincta (Hiaticula), 213.
bicinctus (Charadrius), 212.
bicinctus (Cursor), 44.
bicinctus (Cursorius), 44, 46, 47.
bicinctus (Ochthodromus), 210, 212, 213, 739.
bicinctus (Rhinoptilus), 44, 724.
bicinctus (Tachydromus), 44.
biclavata (Gallinago), 619.
biclavus (Gallinago), 619.
bicolor (Charadrius), 159.
bicornis (Vanellus), 168.
bifasciata (Hiaticula), 295.
bifrontatus (Charadrius), 249.
bifrontatus (Oxyechus), 249, 743.
biloba (Lobipluvia), 131.
bilobus (Charadrius), 130.
bilobus (Lobivanellus), 131.
bilobus (Sarciophorus), 130, 732.
bilobus (Vanellus), 130.
bisignatus (Cursorius), 44, 45.
bisignatus (Rhinoptilus), 43, 45, 46, 724.
bistriatus (Charadrius), 12
bistriatus (Œdicnemus), 12, 721.
bitorquata (Ægialitis), 248.
bitorquata (Hiaticula), 247.
bitorquatus (Charadrius), 247.
bitorquatus (Cursorius), 50.
bitorquatus (Macrotarsus), 50.
bitorquatus (Rhinoptilus), 43, 50, 726.

Black-breasted Indian Plover, 157.
Black-crowned Plover, 178.
Black-headed Plover, 32.
Black Jacana, 84.
Black-necked Stilt, 321.
Black Sandpiper, 578.
Black-sided Sandpiper, 174.
Black-tailed Godwit, 384, 385.
Black-winged Stilt, 312.
bogolubovi (Cursorius), 36.
bonapartii (Actodromas), 570, 576.
bonapartii (Pelidna), 576.
bonapartii (Tringa), 570, 575.
Boreal Sandpiper, 208.
borealis (Aphriza), 208.
borealis (Numenius), 368, 369, 755.
borealis (Phæopus), 370.
borealis (Strepsilas), 93, 208.
borealis (Scolopax), 364, 368.
borealis (Tringa), 208.
brachydactylus (Cursorius), 36.
brachyptera (Limosa), 384.
brachyptera (Telmatias), 628.
brachypus (Telmatias), 636.
brasiliensis (Hæmatopus), 115.
brasiliensis (Himantopus), 316.
brasiliensis (Numenius), 365.
brasiliensis (Parra), 84.
brasiliensis (Scolopax), 646, 647.
brehmi (Pelorychus), 634.
brehmi (Scolopax), 634, 642.
brehmi (Telmatias), 634.
brehmii (Gallinago), 634, 637.
brachypus (Gallinago), 636.
brevipes (Actitis), 450.
brevipes (Gambetta), 450.
brevipes (Heteractitis), 449, 451, 455, 760.
brevipes (Himantopus), 313.
brevipes (Limosa), 378, 381, 384.
brevipes (Totanus), 449, 451, 454.
brevipes (Tringa), 453.
brevirostris (Charadrius), 252.
brevirostris (Limicola), 522.
brevirostris (Numenius), 369, 372.
brevirostris (Tringa), 514.
Bridled Plover, 18.
brissoni (Pelidna), 514.
Broad-billed Sandpiper, 613.
Brown-eared Sandpiper, 566.
Brown Phalarope, 700.
Brown Snipe, 394, 396.
Brunette, La, 603.
Buff-breasted Sandpiper, 521.
burchelli (Cursorius), 38, 42.
burchelli (Tachydromus), 38.
Burhinus, 3, 18, 22.
burka (Gallinago), 636.
burka (Scolopax), 625.
burrowsii (Defilippia), 128.
Bustard, Thick-kneed, 4.

cabanisi (Ereunetes), 515.
caffra (Scolopax), 686.
Caille des isles, La, 716.
Caille des isles Malouines, 716.
Calidris, 520, 526.
calidris (Ægialodes), 417.
calidris (Arenaria), 526.
calidris (Charadrius), 526.
calidris (Gambetta), 417.
calidris (Pelidna), 604.
calidris (Scolopax), 414.
calidris (Totanus), 409, 413, 414, 415, 417, 758.
calidris (Tringa), 596.
calidris (Trynga), 596.
caligatus (Rhyncophilus), 445.
caligatus (Totanus), 444.
callæas (Charadrius), 140.
Cambridge Godwit, 409.
campestris (Pelidna), 563.
campestris (Tringa), 369, 575.
canadensis (Tringa), 580.
cancellata (Tringa), 524.
cancellata (Tringoides), 525.
cancellatus (Æchmorhynchus), 524.
cancellatus (Phalaropus), 524.
cancellatus (Phegornis), 525.
cancellatus (Totanus), 524.
candida (Scolapax), 388.
candidus (Himantopus), 310, 323, 750.
candidus (Vanellus), 168.
canescens (Glottis), 484.
canescens (Scolopax), 481.
canescens (Totanus), 485, 763.
cantabridgiensis (Scolopax), 410.
cantiacus (Ægialitis), 277.
cantiacus (Charadrius), 277.
cantiana (Ægialitis), 277, 287, 746.
cantiana (Hiaticula), 277, 287.
cantianus (Ægialitis), 276, 291.
cantianus (Ægialophilus), 277.
cantianus (Charadrius), 226, 275, 290, 291, 746.
cantianus (Pluvialis), 277.
canus (Ægialitis), 286.
Canut, 593.
canuti (Tringa), 597.
Canutus, 593.
canutus (Actodromas), 597.
canutus (Calidris), 597.
canutus (Tringa), 574, 590, 597, 601, 678.
canutus (Trynga), 596.
Cape Curlew, 586.
Cape Snipe, 683.
capella (Vanellus), 166.
capensis (Aphalus), 89.
capensis (Cursorius), 42.

capensis (Hæmatopus), 119, 731.
capensis (Macroparra), 89, 728.
capensis (Œdicnemus), 17, 722.
capensis (Otenalopex), 119.
capensis Parra, 89.
capensis (Rhynchæa), 684, 686.
capensis (Strepsilas), 686, 684, 689.
capensis Scolopax, 684.
capensis (Tringa hydroleuca), 68.
Carolina, 20.
cayanus (Charadrius), 240.
cayanus (Falcinellus), 240.
cayanus Merrem, 251.
cayanus Numenius, 544.
Cayenne plover, 105.
cayennensis (Vanellus), 105, 106.
cayennensis (Charadrius), 105.
cayennensis (Hoplopterus), 105.
cayennensis (Himantopus), 105, 106, 732.
cayennensis (Pluvianus), 105.
cayennensis (Vanellus), 105, 106.
Cayenne Sculpper, 103.
cayennensis (Belonopterus), 103, 104, 736.
cayennensis (Charadrius), 105.
cayennensis Parra, 103.
cayennensis (Vanellus), 105.
cayennensis (Vanellus), 105, 106, 736.
Cayenne, 44, 774.
Cayenne, 43.
chalcopterus (Cursor), 48.
chalcopterus (Cursorius), 48, 49, 724.
chalcopterus (Rhynchæa), 48, 49, 724.
chalcopterus (Strepsilas), 48.
Charadrius, 2, 30.
Charadrius, 240, 140.
charadrius (Anarhynchus), 29, 32.
charadrioides (Cursor), 32.
Charadrius, 140, 191, 733, 744.
chathamica (Gallinago), 663.
Chattering Plover, 242.
Cheese, 138.
cheese Parra, 138.
Chelidonias, 52.
Chestnut Jacana, 82.
Chevalier, Le, 540.
Chevalier aux pieds rouges, 415.
Chevalier cendré, Le, 540.
Chevalier commun, Le, 540.
Chevalier de Bengale, 683.
Chevalier gris, 414.
Chevalier tacheté, 414.
Chevalier varié, 540.
Chevalier varié, Le, 683.
chilensis Belonopterus, 103, 105, 735.
chilensis (Gallinago), 651.
chilensis Parra, 105.
chilensis (Pluvianellus), 105.
chilensis Scolopax, 651.
chilensis (Totanus), 427.
chilensis Vanellus, 105.
chinensis Attagis, 715, 716.
Chinese Jacana, 69.
chinensis (Pelidna), 502.
chinensis (Rhynchæa), 686.
chinensis (Strepsilas), 689.
chinensis (Scolopax), 683.
cinereus (Totanus), 488, 489, 640.
Cinereous Redshank, 415.
cinereus, 710, 711.
cinereus, 2, 710.
cinereus, 710.
cinereus Vagandi, 710.
Cinereous Siberian, Le, 82.
Cinereous de l'Isle de France, Le, 69.
Cinnar, cinnor, Le, 84.
cinnamomea (Hydrophasianus), 69, 727.
cinnamomea (Hydrophasis), 69, 727.
cinnamomea (Tringa), 69.
cinnamomeus (Pluvianus), 2.
cinnamopus (Gallus), 484.
chlorophus (Totanus), 484.
chloropygius (Rhyncophilus), 445.
chloropygius (Totanus), 444.
Chorlito cabeza y cuello obscuros, 688.
Chorlito campesino, 369.
Chorlito garganta blanca acanelada, 521.
Chorlito gofio obscura y blanca 680.
Chorlito lomo negro, 570.
Chorlito pardo, 574.
Chorlito pardo mayor, 452.
Chorlito pardo menor, 444.
Chorlito pies rojos, 526.
Chorlo rabadilla blanca, 427.
Chorlo tarso comprimido, 705.
Cinclo, 903.
Cinclus, 91.
cinclus Actitus, 461.
cinclus Charadrius, 93.
cinclus Pelidna, 575, 694, 666.
cinclus Schœnicolus, 694.
cinclus (Tringa), 694, 666.
cinclus Tryngi, 555.
cinerea Spatarola, 238.
cinerea Vanellus, 238.
cinereus Cursorius, 46, 47, 724.
cinereus (Erythrogonys), 125, 731.
cinereus Hemerodromus), 47.
cinereus (Rhynoptilus), 45, 46, 47, 724.
cinereus Vanellus, 125.
cinereus Scolopax, 481.
cinereus (Glareola), 80.
cinereus (Phalaropus), 710.
cinereus (Arenaria), 93.
cinereus (Totanus), 133, 134.
cinereus (Galachryson), 65.
cinereus (Galachrysea), 62, 64, 726.
cinereus (Glareola), 64.
cinereus (Pluvianus), 133.
cinereus Scolopax, 474.
cinereus (Spatarola), 183.
cinereus (Terekia), 474, 475, 763, 763.

cinerea (Tringa), 476, 593.
cinereicollis (Ægialitis), 247.
Cinereous Godwit, 481.
cinereus (Canutus), 596.
cinereus (Lobivanellus), 133.
cinereus (Microsarcops), 131, 732.
cinereus (Numenius), 474.
cinereus (Phalaropus), 696, 700.
cinereus (Rhynchosimus), 476.
cinereus (Simorhynchus), 475.
cinereus (Totanus), 476.
cinereus (Xenus), 474, 476.
cinnamomeus (Helodromas), 761.
cinnamomeus (Totanus), 761.
circumcincta (Ægialitis), 293, 294, 748.
circumcinctus (Charadrius), 293.
Cirrepidesmus, 209.
cirrhepidesmus (Charadrius), 223.
Cladorhynchus, 309, 324.
Clorhynchus, 335.
Cock Coot-footed Tringa, 699.
cœlestis (Gallinago), 636.
cœlestis (Scolopax), 633.
Cœnocorypha, 616.
Coleorhamphus, 710.
Collared Plover, 243.
Collared Pratincole, 54.
collaris (Ægialitis), 255, 288, 747.
collaris (Charadrius), 288.
collaris (Hiaticula), 288.
collaris (Morinella), 92.
collaris (Strepsilas), 93.
collaris (Tachydromus), 43.
columbina (Hiaticula), 218.
columbinus (Charadrius), 218.
Combattant, Le, 500.
Common Curlew, 343.
Common Godwit, 373.
Common Redshank, 414, 417.
Common Sandpiper, 456.
Common Snipe, 633.
communis (Scolopax), 674.
communis (Vanellus), 169.
cooperi (Actodromas), 574.
cooperi (Heteropygia), 574.
cooperi (Tringa), 574.
Coot-footed Tringa, 698.
cordifera (Parra), 86.
Coromandel Plover, 39.
Coromandel Pratincole, 58.
coromandelicus (Charadrius), 34, 39.
coromandelicus (Cursorius), 34, 39, 723.
coromandelicus (Tachydromus), 39.
coronata (Chettusia), 178.
coronatus (Ægialitis), 178.
coronatus (Charadrius), 178.
coronatus (Hoplopterus), 178.
coronatus (Pluvianus), 178.
coronatus (Stephanibyx), 177, 178, 736.
coronatus (Vanellus), 174, 178.
corrira (Charadrius), 35.
couesi (Arquatella), 583, 584.
couesi (Tringa), 583.
Coulon-chaud, Le, 92.
Coulon-chaud cendré, Le, 92.
Coulon-chaud de Cayenne, 92.
Coulon-chaud gris de Cayenne, 92.
Coure-vite, Le, 34.
Courliew, Le, 355.
Courlis, Le, 341.
Courlis, Petit, 355.
Courlis tacheté de l'Isle de Luçon, Le, 361.
Courly, Le, 341.
Courly de Terre, 4.
Courly de Madagascar, Le, 341.
Courser, Cream-coloured, 34.
Courvite, Le, 34.
Courvite de la Côte de Coromandel, 39.
Cracticornis, 340.
crassirostris (Catoptrophorus), 407.
crassirostris (Charadrius), 214.
crassirostris (Chettusia) 126, 127.
crassirostris (Defilippia), 126, 127, 733.
crassirostris (Eudromias), 219.
crassirostris (Hemiparra), 126, 127.
crassirostris (Hoplopterus), 127.
crassirostris (Limnetes), 127.
crassirostris (Totanus), 405.
crassirostris (Tringa), 568, 585, 593, 600, 678.
crassirostris (Vanellus), 127, 128, 732.
Cream-coloured Courser, 34.
crepitans (Œdicnemus), 4, 6, 18, 721.
cristata (Parra), 73, 80, 81.
cristatus (Charadrius), 157.
cristatus (Hydralector), 73, 780.
cristatus (Vanellus), 167, 735.
crozettensis (Chionarchus), 711, 713.
Crymophilus, 693.
cucullata (Hiaticula), 302.
cucullatus (Ægialitis), 256, 302, 749.
cucullatus (Charadrius), 302.
cucullatus (Chettusia), 148.
cucullatus (Lobivanellus), 148.
cucullatus (Vanellus), 248.
cucullatus (Xiphidiopterus), 146, 148.
cuneicauda (Glareola), 718.
cuprea (Parra), 73.
Curlew, 341.
Curlew, Cape, 586.
Curlew, Common, 343.

Curlew, Esquimaux, 365, 368, 370.
Curlew, Hudsonian, 364.
Curlew, Lesser, 355.
Curlew, Long-billed, 353.
Curlew, Luzonian, 361.
Curlew, Madagascar, 343.
Curlew, Otaheite, 367.
Curlew, Petit, 355.
Curlew, Pygmy, 586.
Curlew, Small Esquimaux, 369.
Curlew, Stone, 4.
Curlew Sandpiper, 589.
curonica (Hiaticula), 265.
curonicus (Ægialitis), 265, 745.
curonicus (Charadrius), 263.
Cursor, 34.
Cursoridæ, 2, 26.
Cursorius, 27, 32, 34.
cursorius (Falcinellus), 588.
curvirostra (Rhynchæa), 691
cuvieri (Falcinellus), 588.
cyanopus (Numenius), 350, 753.

damacensis (Actodromas), 584.
damascensis (Limonites), 538, 553, 707.
damascensis (Totanus), 545, 547, 553, 555.
damascensis (Tringa), 540, 545, 550, 557.
damascensis (Charadrius), 251
dealbata (Ægialitis), 282.
dealbatus (Ægialitis), 277, 279, 746.
dealbatus (Charadrius), 278.
Deflippia, 122, 126.
delamottii (Scolopax), 634.
delicata (Gallinago), 617, 642, 643, 647, 650, 651, 659.
Delopygia, 561.
desertorum (Edicnemus), 6.
dethardingii (Scolopax), 596.
Dilobus, 130.
dinghami (Stephanibyx), 178.
dinghami (Vanellus), 178.
dominica (Parra), 136.
dominicensis (Edicnemus), 14.
dominicensis (Tringa), 503.
dominicus (Charadrius), 195, 199, 201, 738.
dorsalis (Pelidna), 570.
dorsalis (Tringa), 570.
Dotterell, 234, 235.
douglasi (Gallinago), 643.
douglasii (Scolopax), 642.
douglasii (Tringa), 401.
Douglas's Snipe, 642.
Douglas'sStilt Sandpiper, 401.
Dromas, 26, 27.
Dromicus, 123.
Dromochelidon, 53.
drummondi (Gallinago), 642.
drummondi (Scolopax), 642.
Drummond's Snipe, 642.
dubia (Ægialitis), 255, 283, 296, 745.
dubius (Charadrius), 263.
ductorus (Charadrius), 304.
Dunlin, 603.
durnfordi (Hæmatopus), 117, 731.
durvillii (Squatarola), 238.
Dusky Plover, 211.
duvaucelii (Charadrius), 159.
Dwarf Spoon-bill, 535.

Echasse, L', 310.
Echasse du Mexique, 320.
edwardsi (Limosa), 389.
elegans (Gallinago), 649.
elegans (Hiaticula), 277.
elegans (Scolopax), 649.
elorides (Tringa), 613.
emma (Galachrysea), 62, 64, 708.
emma (Glareola), 64.
empusa (Actitis), 461.
empusa (Totanus), 461.
empusa (Tringoides), 461.
Equestrian Sandpiper, 549.
equestris (Tringa), 500.
Erenetes, 340, 514.
Erodia, 27.
Erody, Abyssinian, 29.
Erythrogonys, 122, 124.
erythropus (Charadrius), 263.
Erythrosedis, 409.
Eseuc, 3, 20, 22.
eschscholtzii (Tinochorus), 720.
Esquimaux Curlew, 365.
Eudromias, 146, 234, 733.
Euhyas, 736.
Euliga, 509.
Eurhynorhynchus, 520, 525, 535.
europæa (Avocetta), 338.
europæa (Ostralega), 109.
europæa (Recurvirostra), 328.
europæa (Rusticola), 674.
europæus (Cursor), 723.
europæus (Cursorius), 34.
europæus (Himantopus), 313.
europæus (Œdicnemus), 6.
europæus (Tachydromus), 35.
Eurynorhynchus, 766.
Eurypterus, 145, 171.

faeroeensis (Gallinago), 636.
faeroeensis (Telmatias), 634.
falcinella (Tringa), 586.
Falcinellus, 585.
Falcirostra, 335.
falklandica (Ægialitis), 248, 295, 748.
falklandica (Attagis), 717.
falklandica (Coturnix), 717.
falklandica (Hiaticula), 295.
falklandica (Perdix), 716.
falklandicus (Charadrius), 295, 298.
falklandicus (Tetrao), 716.
fasciata (Tringa), 174.
Fedoa, 3, 372.
fedoa (Limicula), 391.
fedoa (Limosa), 373, 391, 756.
fedoa (Scolopax), 391.
fedoa (Totanus), 392.
femoralis (Numenius), 367.
ferruginea (Limosa), 373.
ferruginea (Tringa), 588, 588, 768.
ferruginicollis(Totanus), 393.

ferrugineus (Numenius), 586.
ferrugineus (Totanus), 373.
fimbriatus (Phalaropus), 706.
Finmark Snipe, 633.
fissipes (Recurvirostra), 382.
fistulans (Glottis), 484.
fistulans (Totanus), 484.
flavipes (Ægialodes), 434.
flavipes (Chettusia), 172.
flavipes (Gambetta), 433.
flavipes (Scolopax), 431.
flavipes (Totanus), 409, 431, 432, 759.
flavipes (Vanellus), 171.
floridanus (Glottis), 484.
fluviatilis (Ægialitis), 264.
fluviatilis (Charadrius), 264.
fluviatilis (Pluvialis), 267.
fœda (Limosa), 392.
forbesi (Ægialitis), 250.
forbesi (Charadrius), 250.
forbesi (Oxyechus), 250, 743, 744.
forsteri (Chionis), 711.
foxii (Limosa), 379.
frazari (Hæmatopus), 117, 730.
Freckled Sandpiper, 596.
frenata (Gallinago), 617, 646, 647, 648, 651.
frenata (Scolopax), 646, 648, 651.
frenata (Telmatias), 646.
frenatus (Charadrius), 18.
frenatus (Cursor), 39.
frenatus (Lobipes), 706.
frenatus (Phalaropus), 706.
frontalis (Anarhynchus), 306, 750.
frontalis (Charadrius), 180, 306.
frontalis (Hæmatopus), 306.
frontalis (Hiaticula), 298.
frontalis (Thinornis), 306.
fulicaria (Tringa), 694.
fulicarius (Crymophilus), 693, 696.
fulicarius (Phalaropus), 694, 695, 701.
fuliginosa (Gambetta), 454.
fuliginosus (Hæmatopus), 118.
fuliginosus (Melanibyx), 118.
fuliginosus (Totanus), 453, 455.
Fulvous Plover, 196.
fulvus (Charadrius), 196, 738.
fulvus (Pluvialis), 200.
fusca (Hiaticula), 238.
fusca (Limosa), 411.
fusca (Scolopax), 409.
fusca (Squatarola), 238.
fusca (Tringa), 53, 700.
fuscicollis (Actodromas), 575.
fuscicollis (Heteropygia), 561, 562, 574, 768.
fuscicollis (Tringa), 563, 574, 768.
fuscocapillus (Totanus), 433.
fuscus (Charadrius), 218.
fuscus (Erythroscelus), 412.
fuscus (Phalaropus), 700.
fuscus (Sarciophorus), 131.
fuscus (Totanus), 409, 410, 417, 758.

Galactochrysea, 27, 53, 62.
galapagensis (Hæmatopus), 116.
gallicus (Charadrius), 34.
gallicus (Cursorius), 34, 35, 723.
gallicus (Tachydromus), 35.
gallinacea (Chettusia), 139.
gallinacea (Parra), 79, 81.
gallinaceus (Charadrius), 139.
gallinaceus (Hydralector), 79, 81, 728.
gallinaceus (Lobivanellus), 139.
gallinaceus (Metopidius), 80.
gallinaceus (Vanellus), 139.
Gallinago, 521, 616.
gallinago (Ascalopax), 636.
gallinago (Gallinago), 616, 617, 621, 633, 636, 644, 653, 659.
gallinago (Scolopax), 619, 633, 636, 642, 657.
gallinago (Telmatias), 631, 634.
gallinaria (Gallinago), 636, 643.
gallinaria (Scolopax), 633.
gallinula (Ascolopax), 667.
gallinula (Gallinago), 667.
gallinula (Limnocryptes), 665, 666.
gallinula (Philolimnos), 666.
gallinula (Scolopax), 665.
gallinula (Telmatias), 667.
Gambetta, 409.
Gambette, La, 414.
gangetica (Glareola), 65.
gavia (Charadrius), 168.
gavia (Vanellus), 168.
gayi (Attagis), 715.
geoffroyi (Ægialitis), 218, 740.
geoffroyi (Charadrius), 217, 231, 740.
geoffroyi (Cirrepidesmus), 218.
geoffroyi (Eudromias), 219.
geoffroyi (Glareola), 62.
geoffroyi (Hiaticula), 218.
geoffroyi (Ochthodromus), 210, 217, 218, 225, 740.
georgica (Tringa), 550.
Giarole, La, 54.
gigantea (Gallinago), 618, 658, 659.
gigantea (Scolopax), 658, 659.
gigantea (Telmatias), 659.
gigantea (Xylocota), 659.
giganteus (Charadrius), 18, 22.
giganteus (Œdicnemus), 23.
gigas (Ægialitis), 218.
glacialis (Phalaropus), 694.
glacialis (Tringa), 694.
Glareola, 27, 53.
glareola (Actitis), 494.
glareola (Charadrius), 211.
glareola (Pratincola), 55.
glareola (Rhyacophilus), 490, 491, 493, 494, 764.

glareola (Totanus), 491, 704
glareola (Tringa), 444, 491.
glareola (Tryngа), 449, 453
glareoloides (Totanus), 494.
glaucopus (Charadrius), 240.
Glottis, 339, 480.
glottis Glottis, 485
glottis Limosa, 484.
glottis (Limosa), 484
glottis Scolopax, 481.
glottis (Totanus), 482, 703.
glottoides Glottis, 484.
glottoides (Limosa), 484
glottoides Totanus, 484, 486
Goa Sandpiper, 149.
Godwit, 373, 381.
Godwit American, 391.
Godwit, Bar-tailed, 373, 374.
Godwit Black-tailed, 384, 385
Godwit Cambridge, 400
Godwit, Cayenne, 481.
Godwit, Common, 373
Godwit, Great Marbled, 392
Godwit Greater American, 391
Godwit Hudsonian, 388.
Godwit Marbled, 391.
Godwit, Red, 384
Godwit, Red-breasted, 388
Godwit White, 389.
Gorse Chat, 149
Gorse (Leiocatalecta), 149
Gorse Parra, 149
Gorse Sand-grouse, 149
Gorsia Indica, 149
Gorsia Vaillantii, 149
Gould Plover, 192.
Grallaria (Totanus), 296, 297
Grallaria Charadrius, 297.
Grallatores Cursorii, 45, 46, 724
Grallatores Pedibus, 597
Grallatores Rhamphothecæ, 46

gracilis (Totanus), 424.
gracilis (Tringa), 585.
gracilis (Totanus), 417.
grallaria (Glareola), 51, 725
grallaria (Stiltia), 52.
grallarius (Burhinus), 18, 19, 722
grallarius (Charadrius), 18
grallarius (Himantopus), 18.
grallarius (Œdicnemus), 18, 722
grallarius (Vanellus), 171.
grallator (Cursorius), 44.
grallatoris (Totanus), 493
grallatoris (Tringa), 491.
granadensis (Gallinago), 648.
Grande Barge grise, 373
Grande Barge rousse, La, 373, 381.
Grand Jacana verd à cercle Le, 73.
Grand Pluvier, 4.
Great-billed Plover, 18.
Great American Godwit, 391
Great Marbled Godwit, 392
Great Plover, 6.
Great Snipe 626.
Greater Yellow-shanks, 428
Green-backed Plover, 52
Green-backed Sandpiper, 580
Green-legged Horsemen, 481
Green Plover, 191
Green-rump Plover, 444
Green Sandpiper, 457, 580
Greenshank 481.
Greenwich Sandpiper, 580
gregaria (Charadrius), 174, 175, 730
gregaria (Œdicnemus), 15
gregaria Tringa 573
Gregarious Plover 174
gregarius (Charadrius), 174
gregarius (Vanellus), 174, 730
grenovicensis (Tringa), 580

Grey Coot-footed Tringa, 693.
Grey Phalarope, 694, 699.
Grey Plover, 182.
Grey Sandpiper, 182.
grisea (Arenaria), 526.
grisea (Calidris), 530.
grisea (Carvanensis), 20.
grisea Glottis, 484.
grisea Limosa, 384, 396.
grisea (Scolopax), 394.
grisea (Squatarola), 183.
grisea (Tringa), 586.
griseopyga Gambetta), 440.
griseopygius Totanus), 440.
griseus (Charadrius), 218.
griseus Eremetes, 396.
griseus (Erynorhynchus), 535.
griseus (Limnodromus), 586
griseus (Macrorhamphus), 393, 394, 398, 400, 401, 707.
griseus (Œdicnemus), 6.
griseus (Phalaropus), 694.
griseus (Pseudops), 20.
griseus Totanus, 484.
griseus Vanellus, 187.
Grisled Sandpiper, 586.
Grive-de-eau, La, 408.
Grogaard, Le, 234, 235.
Grogaard d'Angleterre, 234
grœnlandica (Totanus), 459.
grotetta Tryngа 424.
Grugnette, La 626.
guiana Charadrius), 223
gutter (Pseudoglottis), 479
gutter (Pseudototanus), 479, 705
gutteri Totanus, 479.
gutteri Vernon, 479.
gutteri Vernon), 479.
gutturalis Totanus), 479.
gymnostoma (Jacana), 87
gymnostoma (Parra), 86.

Hæmatopus (Charadrius), 310.
Hæmatopus (Limosa), 389, 736
Hæmatopodinæ, 90, 105.

Hæmatopus, 105.
hæsitatus (Numenius), 357.
hardwickii (Limosa), 502.
hardwickii (Scolopax), 652, 654.
hartingi (Ægialitis), 262.
hartingi (Charadrius), 262.
hartingi (Rhinoptilus), 43, 46, 724.
hartlaubi (Limicola), 613.
hartlaubi (Tringa), 613.
haughtoni (Pseudototanus), 479.
haughtoni (Totanus), 479, 763.
helebi (Recurvirostra), 328.
helenæ (Ægialitis), 749.
helenæ (Charadrius), 749.
helevi (Recurvirostra), 328.
Helodromas, 338, 437, 457.
Helortyx, 30.
helvetica (Squatarola), 737.
helvetica (Tringa), 182.
helveticus (Charadrius), 183.
helveticus (Vanellus), 183.
Hemerodromus, 43.
Hemipalama, 514.
Hemiparra, 126.
Hemipodius meiffreni, 30.
hemirhynchus (Numenius), 369.
Heteractitis, 338, 449.
heterocerca (Gallinago), 620, 625.
heterœca (Gallinago), 625.
Heteropoda, 514.
Heteropygia, 520, 561.
Heteroscelus, 449.
heterura (Gallinago), 619, 623, 625.
heterura (Scolopax), 619, 625.
heywoodi (Charadrius), 285.
heywoodi (Hiaticula), 284.
hiaticola (Ægialitis), 254, 256, 257, 743.
hiaticola (Charadrius), 257.
hiaticula (Ægialitis), 262, 267, 743.
hiaticula (Charadrius), 217, 251, 262, 264, 293, 743.
hiaticula (Tringa), 250.
hiaticuloides (Ægialitis), 259.
hiaticuloides (Charadrius), 265.
High-legged Plover, 18.
hilarea (Rhynchæa), 691.
hilarii (Rhynchæa), 691.
Himantellus, 309.
Himantopodinæ, 90, 300, 309.
Himantopus, 309.
himantopus (Charadrius), 310, 320.
himantopus (Cursorius), 311.
himantopus (Ereunetes), 403.
himantopus (Hemipalma), 401.
himantopus (Himantopus), 309, 310, 750.
himantopus (Hypsibates), 312.
himantopus (Limosa), 312.
himantopus (Micropalama), 401, 402, 757.
himantopus (Micropelma), 403.
himantopus (Recurvirostra), 320.
himantopus (Totanus), 402.
himantopus (Tringa), 401.
Hirundo pratincola, 53.
Hodites, 405.
holmesii (Scolopax), 662.
Holopodius, 705.
homeyeri (Charadrius), 259.
Homoptilura, 616.
Hooded Plover, 128.
Hoplopterus, 145, 157.
Hoploxypterus, 123, 135, 136.
Horseman, Green-leg'd, 481.
horsfieldi (Gallinago), 619.
horsfieldi (Glottis), 424, 484.
horsfieldi (Limosa), 424, 426, 484.
horsfieldi (Scolopax), 619.
horsfieldi (Spilura), 620.
horsfieldi (Totanus), 424, 485.
Hudsonian Curlew, 364.
Hudsonian Godwit, 388.
hudsonica (Fedoa), 388.
hudsonica (Limicola), 388.
hudsonica (Limosa), 373, 388, 756.
hudsonica (Scolopax), 388.
hudsonica (Totanus), 389.
hudsonica (Tringa), 92.
hudsonicus (Numenius), 344, 364, 365, 368, 754.
hudsonicus (Phæopus), 365.
huegeli (Gallinago), 663.
Huitrier, 107, 109.
Hyas, 32.
Hydralector, 68, 79.
Hydrophasianus, 69.
Hydrophasis, 68, 69, 727.
hyemalis (Gallinago), 655.
hyemalis (Scolopax), 655.
Hyetoceryx, 209.
hyperborea (Tringa), 699.
hyperboreus (Lobipes), 700, 701.
hyperboreus (Phalaropus), 694, 696, 698.
hypoleuca (Guinetta), 461.
hypoleuca (Hæmatopus), 111.
hypoleucus (Actitis), 456.
hypoleucus (Totanus), 458, 471, 762.
hypoleucus (Tringa), 456.
hypoleucus (Tringoides), 456, 459, 762.
hypomelæna (Parra), 85.
hypomelanus (Charadrius), 183.
hypomelas (Charadrius), 182.
Hypsibates, 309.

Ibidorhynchinæ, 91, 335.
Ibidorhynchus, 335.
illyricus (Charadrius), 4.
imperialis (Gallinago), 618, 664.
imperialis (Scolopax), 664.

incana (Actitis), 451.
incana (Scolopax), 453.
incanus (Actitis), 454.
incanus (Heteractitis), 449, 453, 761.
incanus (Heteroscelus), 451, 454.
incanus (Lobipes), 706, 709.
incanus (Totanus), 450, 453, 454, 760.
inconspicua (Hiaticula), 227.
inconspicuus (Charadrius), 226.
Indian Jacana, 72.
Indian Plover, 250.
indiana (Limicola), 475.
indica (Ægialitis), 247, 250.
indica (Chettusia), 149.
indica (Gallinago), 620.
indica (Hiaticula), 247.
indica (Parra), 69, 72.
indica (Rostratula), 684.
indica (Rhynchæa), 686.
indica (Scolopax), 664.
indica (Totanus), 502.
indica (Tringa), 149.
indicus (Charadrius), 247, 262, 744.
indicus (Lobivanellus), 149, 734.
indicus (Metopidius), 72, 73, 727.
indicus (Œdicnemus), 6.
indicus (Philomachus), 503.
indicus (Sarcogrammus), 503.
indicus (Scolopax), 674, 677.
indicus (Totanus), 412.
inga (Thinocorus), 718.
inornata (Ægialitis), 223.
inornata (Chettusia), 133, 181.
inornata (Hiaticula), 218, 223.
inornata (Symphemia), 407, 406.
inornatus (Charadrius), 223.
inornatus (Hoplopterus), 181.
inornatus (Lobivanellus), 133.
inornatus (Oxthodromus), 219, 224.
inornatus (Œdicnemus), 10.
inornatus (Sarcogrammus), 133.
inornatus (Stephanibyx), 178, 182, 737.
inornatus (Vanellus), 180, 181.
isabellæ (Glareola), 51.
isabellæ (Rhimphalea), 52.
isabellæ (Stiltia), 51, 52, 725.
isabellina (Glareola), 52.
isabellinus (Charadrius), 297.
isabellinus (Cursor), 35.
isabellinus (Cursorius), 35, 232.
isabellinus (Ortyxelus), 31.
islandica (Calidris), 506.
islandica (Limosa), 383.
islandica (Tringa), 586, 596.
islandica (Tryngs), 597.
islandicus (Canutus), 596.
islandicus (Numenius), 357.
intermedia (Parra), 82.
intermedius (Ægialitis), 259, 266.
intermedius (Charadrius), 265.
intermedius (Himantopus), 312.
intermedius (Numenius), 365.
interpres (Arenaria), 92, 728, 741.
interpres (Charadrius), 93.
interpres (Cinclus), 93.
interpres (Morinella), 93.
interpres (Strepsilas), 93, 728.

Jacana, African, 76.
Jacana armé, 84.
Jacana, Black, 84.
Jacana, Chestnut, 82.
Jacana, Chinese, 69.
Jacana du Brésil, 86.
Jacana, Green, 85.
Jacana, Indian, 72.
Jacana, Le, 85.
Jacana, Luzonian, 69.
Jacana varié, Le, 86.
Jacana vert, 85.
Jacana, 68, 81, 82.
jacana (Jacana), 82, 83, 728.
jacana (Parra), 38, 82, 86, 728.
Jack-Snipe, 665, 666.
jadreca (Limosa), 383.
Jadreka Snipe, 381.
Jamaicensis (Charadrius), 243.
jamesoni (Cursorius), 36.
jamesoni (Gallinago), 616, 618, 661.
jamesoni (Scolopax), 661.
jamesoni (Xylocota), 661.
japonica (Gallinago), 655.
japonica (Scolopax), 655.
japonica (Spilura), 655.
jassana (Parra), 82.
javanica (Rusticola), 678.
javanica (Terekia), 475.
javanicus (Totanus), 474, 478.
jerdoni (Ægialitis), 267.
jerdoni (Charadrius), 267.
Jud-cock, 665.
jugularis (Charadrius), 230.

kaufmanni (Falcirostra), 335.
Kentish Plover, 277.
keptuschka (Tringa), 174.
keptuschka (Vanellus), 174.
kittlitzi (Ægialitis), 297, 298.
kittlitzi (Charadrius), 298.
kittlitzi (Leucopolius), 298.
Knot, 593, 597.
knudseni (Himantopus), 310, 323, 751.
kuhlii (Totanus), 494.

lactea (Chionis), 711.
lactea (Galachrysia), 65.
lactea (Galactochrysea), 62, 65, 727.
lactea (Glareola), 65, 727.
lacunosa (Gallinago), 650.
lacustris (Gallinago), 626.

lacustris (Telmatias), 636.
lapponica (Limicula), 373.
lapponica (Limosa), 372, 373, 374, 378, 379, 755.
lapponica (Scolopax), 373, 388.
Lapwing, 166.
larvatus (Charadrius), 288.
lateralis (Chettusia), 144.
lateralis (Lobivanellus), 139, 144, 733.
lateralis (Vanellus), 144.
lathami (Totanus), 424.
laticauda (Bartramia), 509.
latifrons (Sarciophorus), 128, 130.
latipennis (Gallinago), 636, 640.
latreillii (Attagis), 715.
Leimonites, 537.
Leptodactylus, 681.
Leptopus, 681.
Leptorhynchus, 324.
Leptoscelis, 681.
leschenaulti (Ægialitis), 219.
leschenaulti (Charadrius), 217, 227.
leschenaulti (Hiaticula), 227.
Lesser Curlew, 355.
Lesser Woodcock, 679.
lessoni (Dromicus), 123.
leucocephala (Recurvirostra), 324.
leucocephalus (Cladorhynchus), 324, 325, 751.
leucocephalus (Himantopus), 310, 313, 317, 319, 751.
leucophæa (Limosa), 373, 383.
leucophæa (Scolopax), 373, 394, 398.
leucophæus (Totanus), 373.
leucopodus (Hæmatopus), 113.
leucopolia (Hiaticula), 283.
Leucopolius, 254.
leucopolius (Charadrius), 282.
leucoptera (Defilippia), 127, 128, 732.
leucoptera (Prosobonia), 525.
leucoptera (Tringa), 525.
leucoptera (Trynga), 456.
leucopterus (Phegornis), 525.
leucopterus (Tringoides), 525.
leucopterus (Vanellus), 127.
leucopus (Hæmatopus), 113, 730.
leucopus (Ostralega), 113.
leucopyga (Totanus), 434.
leucourus (Totanus), 439.
leucura (Chettusia), 172.
leucura (Eubyas), 736.
leucura (Squatarola), 172.
leucurus (Charadrius), 171.
leucurus (Eurypterus), 171, 736.
leucurus (Helodromas), 440.
leucurus (Himantopus), 321.
leucurus (Lobivanellus), 172.
leucurus (Scolopax), 628.
leucurus (Totanus), 439.
leucurus (Vanellus), 172.
liberiæ (Galactochrysea), 62, 63, 726.
liberiæ (Glareola), 63, 726.
limbata (Glareola), 55.
Limicola, 480, 520, 612.
Limicolæ, 1.
Limicula, 372.
Limnetes, 126.
Limnocinclus, 561.
Limnocryptes, 521, 665.
Limnodromus, 393.
Limonites, 520, 537.
Limosa, 338, 372.
limosa (Actitis), 381.
limosa (Limosa), 373, 381, 384, 386, 756.
limosa (Scolopax), 381.
limosa (Totanus), 381.
lincolniensis (Tringa), 580.
lineatus (Numenius), 344, 346, 753.
Little Ringed Plover, 265.
Little Sandpiper, 514.
Little Stint, 540.
Little Woodcock, 679.
littoralis (Charadrius), 276.
littoralis (Strepsilas), 93.
littoralis (Totanus), 417.
littoralis (Tringa), 580.
littorea (Tringa), 500.
littorea (Trynga), 491.
littoreus (Totanus), 486, 763.
lobata (Chettusia), 139.
lobata (Tringa), 139, 694, 699.
lobatus (Charadrius), 139.
lobatus (Lobibyx), 139.
lobatus (Lobipes), 702.
lobatus (Lobivanellus), 138, 139, 733.
lobatus (Phalaropus), 694, 696, 701, 705.
lobatus (Vanellus), 139.
Lobibyx, 138.
Lobipes, 698.
lobipes (Phalaropus), 701.
Lobipluvia, 123, 130.
Lobivanellinæ, 90, 122.
Lobivanellus, 123, 138.
lomatina (Tringa), 597.
Long-billed Curlew, 353.
longicauda (Bartramia), 509, 511, 765.
longicauda (Totanus), 510.
longicauda (Tringa), 509.
longicaudatus (Actiturus), 511.
longicaudus (Actiturus), 511.
longicaudus (Bartramius), 511.
longipes (Ægialitis), 298.
longipes (Charadrius), 200, 201, 262.
longipes (Falcirostra), 335.
longipes (Glareola), 59.
longipes (Himantopus), 312.
longipes (Œdicnemus), 18.
longipes (Pluvialis), 200.
longipes (Tringa), 401, 411.
longirostris (Charadrius), 187.
longirostris (Gallinago), 631, 651.

longirostris (Hæmatopus), 111, 112, 739.
longirostris Heteropoda), 516
longirostris Macrorhamphus 536
longirostris Numenius), 344, 352 353 763
longirostris Scolopax, 536
Long-legged Plover 310
Long-legged Sandpiper, 401
Long-shanked Sandpiper, 140
Lord-Howe (Hæmatopus), 133
Lord-Howe Parra, 140
lobivariata Tringa, 140
lobivariatus Charadrius 140.
lobivariatus (Lobivanellus), 140
Lobivanellus (Vanellus), 140
Lobster-tail Curlew 361.
Lobster-tail Jacana 69
luzoniensis Numenius), 361
luzoniensis Parra, 69
luzoniensis Scolopax), 361

Machetes, 460
macrorrhyncha (Chettusia), 126
macrorrhynchus Vanellus), 126
macrorhynchus (Limosa), 10
macrodactyla Gallinago), 617 631 649
macrodactyla (Scolopax), 630
macropiera Chettusia, 148
macropiera Tringa, 444
macropterus (Limosa) 446
macropterus Tringa, 148
Macrorhamphus, 338, 366
macrotarsa (Totanus Pelidna), 588
Macrotarsus, 40, 760
maculata Actitis), 468, 762
macularia (Tringa), 468.
macularia (Tringoides), 468
macularius (Actiturus), 471
macularius (Totanus), 468 762
macularius Tringites, 471
maculatus (Tringoides), 469, 762
maculata Actodromas), 563, 564
maculata Heteropygia), 561, 562, 565, 767.
maculata Pelidna, 563.
maculata Scolopax, 469.
maculata Tringa), 562, 563, 571, 767.
maculatus (Limnocinclus), 564
maculatus (Totanus), 469
maculosa Tringa), 564
madagascariensis (Gallinula), 15
Madagascar Curlew, 343.
madagascariensis (Numenius), 341
madagascariensis (Rhynchæa), 685.
madagascariensis (Scolopax 541, 683
maderaspatana (Rhynchæa), 685
maderaspatana (Scolopax), 684
Madras Pratincole, 58
Madras Snipe 683
Magellanica (Scolopax), 631
magellanicus Gallinago), 649
magellanica (Scolopax), 649
magna Tringa, 601
magnirostris Limosa), 10
magnirostris Burhinus), 52
magnirostris Charadrius, 18, 22
magnirostris Limosa), 22, 752
magnirostris (Limosa), 249
magnirostris (Ozenas), 18, 22
magnirostris (Orthorhamphus), 22, 23, 722
magnus (Scheeniclus), 600.
major Ascalopax), 628.
major (Charadrius), 250.
major (Gallinago), 616, 617, 626 627.
major (Numenius), 343, 351, 753
major (Œdicnemus), 23.
major (Scolopax), 627, 674
major Trimatus, 628.
malabarica (Lobipluvia), 131 732.
malabaricus (Charadrius), 130.
malabaricus (Dilobus), 131.
malabaricus (Hoplopterus), 131, 160, 734, 740
malabaricus (Lobivanellus), 131
malabaricus (Sarcophorus 131.
Malabrian Pratincole, 58
malacana (Attagis), 717.
Malcomne Quail, 716.
malvinus (Attagis), 715, 716.
malvinus Tetrao, 716.
Marbled Godwit, 391.
marchei (Glareola), 63, 726.
marchei (Galactochrysea), 726.
marginata (Egialitis), 265, 282, 287, 283, 285, 747.
marginata Hoplopterus), 283.
marginatus (Charadrius), 277, 282, 285, 286, 747.
marginatus Leucopolius, 283
Marila Aythya), 580.
Marilla Aythyella), 548 578 580, 583, 768.
marina (Calidris), 580.
marina (Pelidna), 580.
marinus Tringa), 578, 580, 583, 768
marinus (Totanus), 580
maroccana (Limicola), 591
maroccana (Scolopax), 591
maroccanus Charadrius), 280

martinica (Ionornis), 85.
mastersi (Ægialitis), 224.
Maubèche, La, 593.
Maubèche commune, La, 596.
Maubèche grise, 593, 596.
Maubèche tachetée, 593, 596.
mauri (Heteropoda), 514.
maurii (Ereunetes), 515.
mauritiana (Gallinago), 649.
mauritiana (Scolopax), 649, 685.
Mbatuitui armado, 135.
Mbatuitui collar negro, 288.
Mbatuitui de marmoi, 199.
Mbatuitui pecho-listado, 199.
Mbatuitui zancudo, 316.
mechowi (Ægialitis), 283, 284, 285.
media (Gallinago), 626, 633, 636.
media (Scolopax), 626.
medius (Numenius), 344.
megala (Gallinago), 616, 624, 769.
megala (Scolopax), 625.
megapoda (Glareola), 63.
megarhynchus (Actitis), 461.
megarhynchus (Charadrius), 187.
megarhynchus (Squatarola), 187.
meiffreni (Helortyx), 30.
meiffreni (Hemipodius), 30.
meiffreni (Ortygis), 30.
meiffreni (Ortyxelus), 30, 722.
meiffreni (Oxytelus), 31, 722.
meiffreni (Psilocnemis), 31.
meiffreni (Torticella), 31.
meiffreni (Turnix), 31.
Melanibyx, 105.
melanocephala (Arenaria), 103, 729.
melanocephala (Chætusia), 154.
melanocephala (Chettusia), 154.
melanocephalus (Charadrius), 32, 103.
melanocephalus (Cheilodromas), 32.
melanocephalus(Cinclus), 103.
melanocephalus (Himantopus), 313.
melanocephalus (Lobivanellus), 153.
melanocephalus (Pluvianus), 32.
melanocephalus (Sarciophorus), 734.
melanocephalus (Strepsilas), 103.
melanocephalus (Tylibyx), 153, 154, 734.
melanocephalus (Vanellus), 154.
melanochloris (Parra), 73.
melanogaster (Squatarola), 187.
melanogaster (Vanellus), 182.
melanoleuca (Gambetta), 428.
melanoleuca (Glottis), 429.
melanoleucus (Ægialodes), 429.
melanoleucus (Scolopax), 427.
melanoleucus (Totanus), 409, 426, 427, 759.
melanops (Ægialitis), 256, 300, 749.
melanops (Charadrius), 300.
melanoptera (Chettusia), 180.
melanoptera (Glareola), 53, 57, 725.
melanopteroides (Charadrius), 181.
melanopterus (Ægialitis), 180.
melanopterus (Charadrius), 148, 180.
melanopterus (Himantopus), 312, 318.
melanopterus (Hoplopterus), 180.
melanopterus (Stephanibyx), 177, 180, 736.
melanopterus (Vanellus), 180.
melanopus (Numenius), 353.
melanopygia (Jacana), 82, 84.
melanopygia (Parra), 84.
melanopygius (Totanus), 509.
melanorhynchus (Numenius), 357, 362.
melanota (Tringa), 570.
melanotos (Pelidna), 575.
melanotus (Tringa), 576.
melanoviridis (Parra), 73.
melanura (Fedoa), 383.
melanura (Limicula), 383.
melanura (Limosa), 383, 384, 388, 756.
melanuroides (Limosa), 379, 383, 384, 385.
melanuroides (Totanus), 384.
melanurus(Himantopus), 310, 316, 750.
melanurus (Totanus), 384.
melas(Himantopus), 310, 323, 324, 751.
melasomus (Vanellus), 158.
meloda (Ægialitis), 256, 292, 293, 748.
meloda (Hiaticula), 293.
melodus (Ægialeus), 293, 748.
melodus (Charadrius), 292, 293.
meridionalis (Scolopax), 660.
meridionalis (Totanus), 417.
Mesoscolopax, 338, 371.
Metopidius, 68, 72, 727.
mexicanus (Himantopus), 310, 316, 320, 323, 751.
mexicanus (Œdicnemus), 13, 320.
meyeri (Fedoa), 374.
meyeri (Limicula), 373.
meyeri (Limosa), 373.
Micropalama, 338, 401.
Microparra, 88, 727.
Microptera, 679.
microrhynchus (Ægialitis), 267, 291.
microrhynchus (Numenius), 370.
Microsarcops, 123, 131, 133.
migratoria (Gallinago), 636.
miles (Chettusia), 141.
miles (Lobibyx), 141.
miles (Lobivanellus), 139, 140, 141, 733.

miles (Tringa), 140.
minima (Galinago) 666, 669.
minor (Egialitis), 264, 745.
minor Charadrius), 234, 277, 744
minor Cinclus), 711, 712
minor (Chionis), 712, 713.
minor (Hemipalama), 515.
minor Himantopus), 265
minor (Himantopus), 313
minor Machetes 503
minor Micropterus 679.
minor Numenius), 367, 369 382, 371, 766
minor Pavoncella), 367
minor (Pratincolus), 679.
minor (Pratincolus), 666
minor (Recurvirostra), 679
minor Scolopax) 666, 679.
minor Strepsilas), 93
minor Tringa 604
minuta (Actodromas), 540
minuta (Egialitis) 282
minuta (Calidris) 540
minuta Limicolæ) 537, 538 556 706
minuta Pelidna) 540
minuta (Schœnicolus), 540
minuta (Tringa) 533 545, 546, 564, 706, 707
minutilla (Actodromas), 540
minutilla (Limicolæ) 538, 707.
minutilla (Pelidna), 540
minutilla (Tringa), 546, 548, 550
minutulus Limicolæ), 540
minutus (Egialitis), 266
minutus (Charadrius), 264, 279
minutus (Mesoscolopax), 371, 755
minutus (Numenius), 371.
mitchelli (Leptoscelis), 682
mitchelli Leptoscelus), 682
mitchelli (Leptopus), 682.
mitchelli (Phegornis), 681 682
molestus (Eudromias), 238.
molestus (Spatarola), 238.
molestus (Zonibyx), 238, 742.
molestus (Charadrius), 238 742.
molestus (Morinellus), 238
molestus (Vanellus) 238.
molinensis (Phalaropus), 701.
monachus Egialitis) 749
monachus (Hiaticola), 302.
monachus (Egialitis), 302
monachus (Charadrius), 302.
monachus Leucophæus), 302
mongola Egialitis), 224. 227, 749
mongola Hiaticola) 223.
Mongolian Plover 223.
mongolica (Egialitis), 227, 740
mongolicus (Egialitis), 224 227
mongolicus Charadrius), 201, 223, 227
montana (Cirrepedesmus) 228
montanus (Eudromias), 224 228
montanus (Egialitis), 224 228
montanus (Charadrius), 223
montanus (Oxyrhamphus), 210, 223, 225, 228, 740
montagui (Gallinago), 628
montana (Egialitis), 240, 742
montana (Eudromias), 235
montanus (Charadrius), 240
montanus Eudromias), 240
montanus Oxyrhamphus), 240
montanus (Podasocys) 240 742
moquini (Hæmatopus), 119, 731
moquini (Melanibyx), 119.
Morinella, 91.
morinella Tringa), 92.
Morinellus, 244.
morinellus (Charadrius), 234, 741.
morinellus (Cinclus), 93.
morinellus Eudromias), 238, 235, 741.
morinellus (Morinellus), 234
morinellus (Pluvialis), 234.
mueller (Calidris), 530.
multistriata (Hemipalama), 402.
multistriata (Hemipalama), 402
myops (Charadrius), 130.
mystes (Hoplopterus), 131

nævia (Glareola) 54.
nævia (Tringa), 596.
nævius Actodromas), 522.
nævius Charadrius), 182.
nana (Pelidna), 550.
nana (Tringa), 550.
nasicus (Numenius), 344.
natalensis (Eudromus), 11.
natans (Glottis), 484.
natans (Scolopax), 410.
natans Totanus), 410.
natator Totanus), 433.
naumphila Dendrocheilon) 55
nebularius (Glottis), 480, 481 763.
nebularius (Scolopax), 481.
nebularius (Totanus), 485, 763
nebulosus Charadrius) 238
necrophaga (Chionis), 711.
Nemoricola 616.
nemoricola (Gallinago), 616, 618, 657
nemoricola (Scolopax), 657
Neoscolopax 521, 670.
neozelanicus (Nemoricola), 657
New Holland Snipe, 652.
New Zealand Plover, 304

niger (Hæmatopus), 118, 119, 120, 121, 731.
niger (Himantopus), 324.
niger (Melanibyx), 120.
nigra (Jacana), 84, 85.
nigra (Parra), 85.
nigricans (Tringa), 580.
nigricollis (Himantopus), 313, 316, 320.
nigricollis (Hypsibates), 313, 321.
nigricollis (Macrotarsus), 323.
nigrifrons (Ægialitis), 300, 749.
nigrifrons (Charadrius), 300.
nigrifrons (Hiaticula), 300.
nigripennis (Gallinago), 631, 649.
nigris (Ægialitis), 250.
nilsoni (Gallinago), 637.
nipalensis (Glareola), 65.
nisoria (Telmatias), 628.
nivalis (Coleoramphus), 710.
niveifrons (Ægialitis), 277, 283.
niveifrons (Charadrius), 283, 285.
niveifrons (Leucopolius), 283.
niveigula (Glottis), 485.
nivifrons (Chettusia), 127.
nivigula (Totanus), 485.
nivosa (Ægialitis), 256, 277, 289, 290, 291, 748.
nivosus (Ægialitis), 290.
nivosus (Hemipodius), 30.
nobilis (Gallinago), 617, 648, 650.
nobilis (Scolopax), 648.
Noisy Plover, 243.
Nomusia, 126.
nordmanni (Glareola), 57, 62.
notata (Actitis), 471.
novæ guineæ (Hydralector), 81.
novæ guineæ (Parra), 81.
novæ hollandiæ (Avocetta), 333.
novæ hollandiæ (Burhinus), 18.
novæ hollandiæ (Himantopus), 333.
novæ hollandiæ (Hydralector), 80.
novæ hollandiæ (Recurvirostra), 326, 333, 752.
novæ hollandiæ (Vanellus), 139.
novæ zealandiæ (Charadrius), 304.
novæ zealandiæ (Hiaticula), 304.
novæ zealandiæ (Himantopus), 318, 319, 323.
novæ zealandiæ (Limosa), 373, 377, 378, 755.
novæ zealandiæ (Strepsilas), 304.
novæ zealandiæ (Thinornis), 304.
noveboracensis (Limosa), 373.
noveboracensis (Limnodromus), 395.
noveboracensis (Macrorhamphus), 396.
noveboracensis (Scolopax), 394.
noveboracensis (Totanus), 395.
nuchalis (Galactochrysea), 62, 64.
nuchalis (Glareola), 63, 64.
Numenius, 337, 340.

oahuensis (Tringa), 93.
obscurus (Charadrius), 211.
obscurus (Hyetoceryx), 211.
obscurus (Ochthodromus), 210, 211, 739.
obscurus (Pluviorhynchus), 211.
occidentalis (Ægialitis), 256, 295, 748.
occidentalis (Charadrius), 295.
occidentalis (Ereunetes), 516, 766.
occidentalis (Numenius), 353.
occidentalis (Recurvirostra), 331.
occidentalis (Rhynchæa), 691.
occidentalis (Vanellus), 165, 735.
oceanica (Gambetta), 454.
oceanicus (Heteroscelus), 454.
oceanicus (Totanus), 453.
ocellatus (Erythroscelus), 412.
ochropus (Actitis), 439.
ochropus (Helodromas), 437, 439, 759, 760.
ochropus (Rhyacophilus), 440.
ochropus (Totanus), 437, 439, 759.
Ochthodromus, 146, 209.
ocrophus (Tringa), 437.
ocularis (Galactochrysea), 62, 726.
ocularis (Glareola), 62, 726.
Ocypetes, 717.
Œdicnème du Sénégal, 10.
Œdicnemidæ, 2.
œdicnemus (Charadrius), 4, 721.
œdicnemus (Fedoa), 6.
œdicnemus (Œdicnemus), 3, 4, 6, 78, 721.
œdicnemus (Otis), 4.
okeni (Charadrius), 292.
Oldham's Reve, Mr., 500.
Olive, 107.
ophthalmicus (Hæmatopus), 731.
optatus (Machetes), 503, 508.
opthalmicus (Hæmatopus), 118.
orbignianus (Thinocorus), 718, 780.
Oreophilus, 122, 123.
orientalis (Charadrius), 200, 201.
orientalis (Cladorhynchus), 325.
orientalis (Eurynorhynchus), 536.
orientalis (Glareola), 53, 58, 65, 726.
orientalis (Hæmatopus), 109.
orientalis (Numenius), 344.
orientalis (Recurvirostra), 324.
orientalis (Rhynchæa), 685.
orientalis (Scolopax), 674.
orientalis (Tachydromus), 39.
orientalis (Tringa), 540.
Orthorhamphus, 3, 22.
Ortyxelus, 26, 30.
osculans (Hæmatopus), 111, 730.

Ostralega, 105.
ostralegus (Hæmatopus), 105, 107, 111, 112, 114, 729.
Otaheite Curlew, 367.
Oxyechus, 146, 242.
Oxytelus, 30.
Oystercatcher, 107, 109, 114
Oystercatcher, Pied, 109.

pacifica (Peltohyas), 307.
pacifica (Scolopax), 453.
pacifica (Tringa), 610, 709.
pacificus (Totanus), 454.
pallasi (Glareola), 58
pallasii (Ostralega), 115.
pallasii (Hæmatopus), 114, 116, 117, 730, 731.
pallida (Ægialitis), 255, 284, 285, 747.
pallidus (Charadrius), 284, 285, 747.
pallidus (Curaenus), 36.
pallidus (Vanellus), 168.
palmatus (Himantopus), 325.
paludosa (Gallinago), 630, 639.
paludosa (Telmatias), 650.
paludosa (Scolopax), 627, 650
palustris (Scolopax), 627
palustris (Totanus), 404.
Paon de Mer, Le, 580.
paraguaiæ (Gallinago), 617, 640.
paraguaiæ (Scolopax), 650
paraguaiæ (Gallinago), 650, 651
pardela (Charadrius), 183.
Parra, 81, 138.
Parridæ, 2, 68.
parvirostris (Echinorhynchus), 525
parvirostris (Tringa), 524.
pastor (Charadrius), 297.
Pavoncella, 339, 409.
paykullii (Scolopax), 395.
pectinirostris (Scolopax), 620.
Pectoral Sandpiper, 563.
pectoralis (Charadrius), 154, 199.
pectoralis (Chettusia), 154.
pectoralis (Cladorhynchus), 325.
pectoralis (Fedoa), 374.
pectoralis (Hiaticula), 298.
pectoralis (Himantopus), 325, 751.
pectoralis (Hoplopterus), 154.
pectoralis (Leptorhynchus), 325.
pectoralis (Limnocinclus), 561.
pectoralis (Lobivanellus), 154.
pectoralis (Peltohyas), 563, 570.
pectoralis (Sarciophorus), 154.
pectoralis (Schœniclus), 563.
pectoralis (Tringa), 563, 564, 568.
pectoralis (Xiphidiorhynchus), 325.
pecuaria (Ægialitis), 256, 297, 749.
pecuaria (Hiaticula), 297.
pecuarius (Ægialitis), 297.
pecuarius (Charadrius), 297, 749.
pecuarius (Leucopolius), 298.
pedestris (Totanus), 450
Peet Weet, 469
Peltohyas, 520, 602.
Peltorhychus, 616.
Peltohyas, 307.
Peltohyatinæ, 90, 297, 307.
Perdrix-de-Mer, Le, 53, 58
Perdrix-de-Mer à collier, Le, 53.
Perdrix de Mer brune, La, 54.
Perdrix-de Mer du Sénégal 53.
Perdrix-de-Mer grise, La, 54.
Perdrix-de-Mer tachetée, La, 53.
peregrina (Gallinago), 630.
peregrina (Scolopax), 630.
peregrina (Telmatias), 634.
peroni (Ægialitis), 255, 273, 274, 277, 745.
peroni (Charadrius), 274.
persicus (Charadrius), 157.
persicus (Hoplopterus), 158
personata (Chettusia), 141.
personatus (Lobivanellus), 139, 140.
pétényi (Gallinago), 636.
pétényi (Telmatias), 636.
Petit Courlis, 355.
Petit Courly, Le, 355.
Petit Pluvier, 234.
Petit Pluvier à collier, 256, 283.
Petit Pluvier à collier de l'isle de Luçon, 283.
Petite Alouette de Mer, La, 456.
Petite Alouette-de-mer de S. Domingue, La, 514.
Petite Becassine, 665.
Petite Maubeche grise, La, 526.
petrificatus (Ereunetes), 514.
Phæopus, 340, 370.
phæopus (Numenius), 337, 355, 361, 363, 365, 367, 753, 754.
phæopus (Scolopax), 355, 367.
Phalarope, La, 694.
Phalarope à festons dentelés, 694.
Phalarope de Sibirie, 700.
Phalarope, Barred, 524.
Phalarope, Brown, 700.
Phalarope brun, Le, 699.
Phalarope cendré, 699.
Phalarope, Grey, 694, 699.
Phalarope, Plain, 694.
Phalarope, Red, 694, 695, 700.
Phalarope, Red-necked, 701.
Phalarope rouge, Le, 694.

Phalarope roussatre, 694.
Phalaropinæ, 91, 693.
Phalaropus, 693, 698.
Phegornis, 521, 681.
philippina (Hiaticula), 265.
philippinus (Ægialitis), 266.
philippinus (Charadrius), 263, 274.
Philohela, 521, 679.
Philolimnos, 665.
Philomachus, 499.
phœnicura (Parra), 73.
Phyllopezus, 68, 76.
pica (Ostralega), 109.
pica (Scolopax), 108.
picatus (Hæmatopus), 112.
picatus (Himantopus), 310, 751.
picta (Rhynchæa), 685.
picta (Rostratula), 689.
Pie de Mer, 107.
Pied Oystercatcher, 109.
pileata (Chettusia), 129.
pileatus (Charadrius), 128.
pileatus (Hoplopterus), 129.
pileatus (Lobivanellus), 129.
pileatus (Sarciophorus), 128, 129.
pinetorum (Scolopax), 674.
Piping Ringed Plover, 292.
placida (Ægialitis), 255, 262, 277, 724.
placidus (Ægialitis), 262.
placidus (Charadrius), 262.
Plain Phalarope, 694.
planiceps (Machetes), 502.
platyrhyncha (Limicola), 612, 613, 769.
platyrhyncha (Pelidna), 613.
platyrhyncha (Tringa), 612.
platyrhynchus (Phalaropus), 694.
platyrostris (Phalaropus), 695.
platyura (Scolopax), 674.
plinii (Himantopus), 312.
Plover, Alwargrim, 196.
Plover, Asiatic, 230.
Plover, Bastard, 166.
Plover, Black-breasted Indian, 157.
Plover, Black-crowned, 178.
Plover, Black-headed, 32.
Plover, Bridled, 18.
Plover, Chattering, 242.
Plover, Collared, 243.
Plover, Coromandel, 39.
Plover, Dusky, 211.
Plover, Fulvous, 196.
Plover, Golden, 192.
Plover, Great, 6.
Plover, Great-billed, 18.
Plover, Green, 191.
Plover, Green-headed, 32.
Plover, Gregarious, 174.
Plover, Grey, 182.
Plover, High-legged, 18.
Plover, Hooded, 128.
Plover, Indian, 250.
Plover, Kentish, 277.
Plover, Little Ringed, 265.
Plover, Long-legged, 300.
Plover, Mongolian, 223.
Plover, New Zealand, 304.
Plover, Noisy, 243.
Plover, Piping Ringed, 292.
Plover, Ringed, 257.
Plover, Ruddy, 526.
Plover, Spotted, 195.
Plover, Spur-winged, 135, 157.
Plover, Wattled, 130.
Plover, Wreathed, 178.
Pluvialis, 191.
pluvialis (Charadrius), 191, 199, 737.
Pluvian, Le, 32.
Pluvian du Sénégal, 32.
Pluvianellus, 146, 303.
Pluvianus, 27, 32.
Pluvier à aigrette, 157.
Pluvier à collier, 256.
Pluvier à collier de Jamaique, 242.
Pluvier à collier de l'isle de Luçon, Petit, 263.
Pluvier à collier de Virginie, 242.
Pluvier à collier, Petit, 263.
Pluvier à lambeaux, 130.
Pluvier armé de Cayenne, 135.
Pluvier armé du Sénégal, 157, 159.
Pluvier coiffé, 128.
Pluvier couronné, 178.
Pluvier de la côte de Malabar, 130.
Pluvier doré, 191.
Pluvier doré à gorge noire, 196.
Pluvier doré de la Baye de Hudson, 195.
Pluvier doré de S. Dominigue, 195.
Pluvier du Cap de Bonne Espérance, 178.
Pluvier du Sénégal, 128.
Pluvier hupé de Perse, 157.
Pluvier huppé, 157.
Pluvier, Petit, 234.
Pluvier Vanneau, 182.
Pluviorhynchus, 209.
Podasocys, 146, 240.
polynesiæ (Totanus), 453.
Poole-Snipe, 414.
Pratincola, 53.
pratincola (Glareola), 53, 54, 57, 59, 725.
Pratincole, Austrian, 54.
Pratincole, Collared, 54.
Pratincole, Coromandel, 58.
Pratincole, Madras, 58.
Pratincole, Maldivian, 58.
Pratincole, Senegal, 54.
Pratincole, Spotted, 54.
Prosobonia, 520, 524, 525.
Pseudoglottis, 339, 479.
Pseudops, 20.
Pseudoscolopax, 393.
Pseudototanus, 479.
Psilocnemis, 30.
ptilocnemis (Arquatella), 583, 584, 585.
ptilocnemis (Tringa), 584, 585.
Ptiloscelis, 123, 137.
ptiloscelis (Vanellus), 137.
pugnax (Machetes), 500, 764.
pugnax (Pavoncella), 499, 500, 764, 765.
pugnax (Philomachus), 502.

pugnax (Totanus), 500, 765.
pugnax (Tryngа), 500, 543
pulveru'entus (Actitis), 450, 454.
pulverulentus (Gambetta), 450, 451
pulverulentus (Totanus), 450.
punctata (Gallinago), 379
punctata (Macrorhamphus), 398
punctatus (Totanus), 444
purpurea Parra), 87
Purple Sandpiper, 580.
Purre, The, 668.
pusilla (Gallinago), 693.
pusilla (Hiaticula) 295.
pusilla (Pelecanus), 514, 540, 550
pusilla (Scolopax), 693.
pusilla (Tringa), 538, 545, 555
pusillus (Egialitis), 296.
pusillus (Charadrius), 294.
pusillus Erectirostris, 514, 515, 716.
pusillus (Numenius), 586, 612.
pusillus (Tringa), 514.
pygmæa (Egialitis), 296.
pygmæa (Limnocea), 612, 614
pygmæa (Platalea) 535
pygmæa (Scolopax), 586, 694
pygmæa (Tringa), 536, 586, 613
pygmæus (Charadrius), 296
pygmæus (Rhynchæa), 765
pygmæus (Rhynchæa), 765
pygmæus (Numenius), 586, 612
Pygmy Curlew, 586
pygmy plover (Charadrius), 296.
pyrrhothorax (Tringa), 525
pyrrhocephalus (Charadrius), 296
pyrrhothorax (Egialitis), 296
pyrrhothorax (Charadrius), 224, 226, 740.
pyrrhothorax, (Cirripidesmus), 227.
pyrrhothorax (Orthodromus), 210, 226, 740.

Quail, Melbourne, 716
Quebec Sandpiper, 580.

rail (Totanus), 411, 413.
Rallus benghalensis, 683.
Recurvirostra, 319, 326.
recurvirostra (Limosa), 474.
recurvirostris (Cavanacea), 20.
recurvirostris (Eascus), 20, 722.
recurvirostris (Edicnemus), 20.
recurvirostris (Pseudopus), 20.
Red-breasted Godwit, 388.
Red Coot-footed Tringa, 693.
Red Godwit, 381.
Red-necked Phalarope, 701
Red Phalarope, 694, 695, 700.
Red Sandpiper, 596.
Redshank, 415.
Redshank, Chinese, 415.
Redshank, Common, 414, 417.
Redshank, Spotted, 409, 412
Reeve, The, 500.
resplendens (Charadrius), 137
resplendens (Ptiloscelys), 137, 733
resplendens (Vanellus), 137.
Reve Mr Oldham's, 540.
Rhinoptera, 51
Rhinoptilus, 27, 43.
Rhyacophila, 330, 490.
Rhynchæa, 683.
rhynchotis mega (Squatarola), 187
Rhynchotus, 474.
Ringed Plover, 267.
rivalis (Totanus), 439.
robusta (Gallinago), 636.
robusta Telmatias, 636.
roebuckeni (Scolopax), 670
roebuckeni (Scolopax), 670.
Rock Sandpiper, 580

rosenbergi (Scolopax), 678.
rosea (Thinornis), 305.
Rostratula, 521, 683.
rostratus (Numenius), 351.
rubecula (Charadrius), 238.
rubecula (Squatarola), 238.
rubidus (Calidris), 590.
rubidus (Charadrius), 526.
rubricollis (Himantopus), 333.
rubricollis (Recurvirostra), 333.
Ruddy Plover, 526.
rufa (Limosa), 373, 379, 735
rufa (Felica), 374.
rufa (Tringa), 596.
rufescens (Actitis), 522.
rufescens (Actiturus), 522, 524.
rufescens (Canutus), 597.
rufescens (Numenius), 344, 351.
rufescens (Phalaropus), 695.
rufescens (Tringa), 500, 521, 767.
rufescens (Tringites), 766.
rufescens (Tringoides), 522.
rufescens (Tryngites), 522.
Ruff, The, 500.
ruficapilla (Egialitis), 295, 296, 747
ruficapilla (Hiaticula), 296
ruficapillus (Egialitis), 296
ruficapillus (Egialophilus), 296
ruficapillus (Charadrius), 296.
ruficapillus (Leucopolius), 296.
ruficollis (Actodromas), 546
ruficollis (Egialitis), 231.
ruficollis (Charadrius), 123, 227.
ruficollis (Hoplopterus), 123
ruficollis (Limonites), 538, 545, 767.
ruficollis (Oreophilus), 123, 731.

ruficollis (Phalaropus), 700.
ruficollis (Tringa), 546, 553, 767.
ruficollis (Trynga), 545.
rufinellus (Charadrius), 227.
rufinucha (Ægialitis), 215.
rufinuchus (Ægialitis), 215.
rufinus (Charadrius), 218.
rufipes (Himantopus), 311, 318, 750.
rufiventer (Vanellus), 125.
rufiventris (Charadrius), 731.
rufiventris (Numenius), 365.
rufus (Crymophilus), 694.
rufus (Cursorius), 34, 38, 723.
rufus (Numenius), 365.
rufus (Phalaropus), 694.
rufus (Tachydromus), 38.
rufus (Totanus), 375.
rumicivorus(Thinocorus), 717, 718, 719.
russata (Gallinago), 636.
russata (Scolopax), 678.
russatus (Charadrius), 300.
Rusticola, 671.
rusticola (Scolopax), 671.
rusticula (Scolopax), 671, 673.

sabinei (Scolopax), 642.
sabinii (Ascalopax), 636.
sabinii (Enalius), 634.
sabinii (Gallinago), 634.
sabinii (Telmatias), 626.
saharæ (Œdicnemus), 6.
sakhalina (Gallinago), 636.
sakhalina (Scolopax), 634.
salicaria (Telmatias), 636.
salina (Actodromas), 553.
salina (Tringa), 546, 553.
sanctæ helenæ (Charadrius), 300.
sanctæ helenæ (Ægialitis), 256, 299.
Sanderling, 526.
Sandpiper, Ash-coloured, 596, 597.
Sandpiper, Audubon's Stilt, 401.
Sandpiper, Bartram's, 510.
Sandpiper, Black, 578.
Sandpiper, Black-sided, 174.
Sandpiper, Boreal, 208.
Sandpiper, Broad-billed, 613.
Sandpiper, Brown-eared, 566.
Sandpiper, Buff-breasted, 521.
Sandpiper, Cayenne, 163.
Sandpiper, Common, 456.
Sandpiper, Curlew, 589.
Sandpiper, Douglas's Stilt, 401.
Sandpiper, Equestrian, 500.
Sandpiper, Freckled, 596.
Sandpiper, Goa, 149.
Sandpiper, Green, 437, 500.
Sandpiper, Greenwich, 500.
Sandpiper, Grey, 182.
Sandpiper, Grisled, 596.
Sandpiper, Little, 514.
Sandpiper, Long-legged, 401.
Sandpiper, Pectoral, 563.
Sandpiper, Purple, 580.
Sandpiper, Quebec, 580.
Sandpiper, Red, 596.
Sandpiper, Rock, 580.
Sandpiper, Schinz's, 575.
Sandpiper, Selninger, 578.
Sandpiper, Semipalmated, 514.
Sandpiper, Senegal, 142.
Sandpiper, Southern, 596.
Sandpiper, Spotted, 468.
Sandpiper, Streaked, 208.
Sandpiper, Striated, 415.
Sandpiper, Swiss, 182.
Sandpiper, Wattled, 139.
Sandpiper, White-winged, 525.
Sandpiper, Wood, 491.
sanguineus (Charadrius), 223.
Sarciophorus, 122, 128.
Sarcogrammus, 145, 148.
sasasbew (Totanus), 428.
saturata (Gallinago), 678.
saturata (Scolopax), 671, 678.
Savanna Woodcock, 659.
schinzi (Pelidna), 575, 604, 605, 606.
schinzi (Schœniclus), 570, 575, 605.
schinzii (Tringa), 604, 570, 575.
Schinz's Sandpiper, 575.
schlegeli (Actitis), 461.
Schœniclus, 602.
scolopacea (Limosa), 395.
scolopaceus (Ereunetes), 396.
scolopaceus (Macrorhamphus), 396, 398, 757.
scolopacina (Gallinago), 625, 634, 637.
Scolopacinæ, 91, 520.
Scolopax, 521, 671.
scolopax (Charadrius), 4.
scolopax (Œdicnemus), 6, 721.
Scooping Avocet, 328.
scoparia (Scolopax), 674.
Sea-Dottrel, 92.
Sea-Lark, 256.
Sea-Pie, 107.
seebohmi (Rhinoptilus), 43, 47, 724.
Selninger Sandpiper, 578.
semicollaris (Rostratula), 683, 690.
semicollaris (Rhynchæa), 691.
semicollaris (Totanus), 690.
semipalmata (Ægialitis), 743.
semipalmata (Ereunetes), 515.
semipalmata (Glottis), 405.
semipalmata (Hemipalama), 514.
semipalmata (Heteropoda), 514.
semipalmata (Hiaticula), 252.
semipalmata (Pseudoscolopax), 754.
semipalmata (Scolopax), 405.
semipalmata (Symphemia), 405, 407, 757.
semipalmata (Tringa), 514.
Semipalmated Sandpiper, 514.

Semipalmated Snipe, 405.
semipalmatus (Ægialeus), 250, 252, 743.
semipalmatus (Ægialitis), 251.
semipalmatus (Charadrius), 250, 252.
semipalmatus (Catoptrophorus), 405.
semipalmatus (Ereunetes), 400.
semipalmatus (Hoplites), 405.
semipalmatus (Macrorhamphus), 400.
semipalmatus (Pseudoscolopax), 400.
semipalmatus (Symphemia), 405.
semipalmatus (Totanus), 405, 407.
Senegal Pratincole, 54.
Senegal Sandpiper, 142.
senegalensis (Charadrius), 157.
senegalensis (Cursorius), 41, 724.
senegalensis (Glareola), 54.
senegalensis (Lobivanellus), 142, 144.
senegalensis (Œdicnemus), 6, 10, 11, 721.
senegalensis (Tachydromus), 41, 724.
senegalensis (Tringa), 142.
senegalensis (Vanellus), 142.
senegalla (Chettusia), 142.
senegalla (Parra), 138, 141.
senegalla (Tringa), 142.
senegallus (Lobivanellus), 142.
senegalus (Lobipluvia), 142.
senegalus (Lobivanellus), 139, 141, 142, 144, 733.
senegalus (Vanellus), 142.
septentrionalis (Ægialitis), 250.
septentrionalis (Gallinago), 636.
septentrionalis (Telmatias), 634.
Sheathbill, White, 710.
sibirica (Limicola), 613, 614.
sibiricus (Charadrius), 256.
sibiricus (Morinellus), 256.
Simorhynchus, 474.
simplex (Histicula), 266.
sinensis (Hydrophasianus), 69, 73.
sinensis (Parra), 69.
sinensis (Recurvirostra), 328, 330.
sinensis (Rhynchæa), 685.
sinensis (Rostratula), 684.
sinensis (Scolopax), 684.
Small Esquimaux Curlew, 359.
Snipe, Ash-coloured, 453.
Snipe, Brown, 394, 396.
Snipe, Cape, 683.
Snipe, Common, 633.
Snipe, Douglas's, 642.
Snipe, Drummond's, 642.
Snipe, Finmark, 633.
Snipe, Great, 626.
Snipe, Jack, 666.
Snipe, Jadreka, 381.
Snipe, Madras, 683.
Snipe, New Holland, 652.
Snipe, Poole, 414.
Snipe, Red-breasted, 394, 396.
Snipe, Semipalmated, 405.
Snipe, Spotted, 426.
Snipe, Stone, 427.
Snipe, Terek, 474.
Snipe, White Indian, 683.
Snipe, Wilson's, 642.
sociabilis (Charadrius), 283.
sociabilis (Pluvianellus), 283.
sociabilis (Pluvianus), 283.
sociabilis (Strepsilas), 283.
solitaria (Gallinago), 616, 618, 624, 654.
solitaria (Scolopax), 628, 655.
solitaria (Spilura), 655.
solitarius (Helodromas), 444, 709.
solitarius (Rhyacophilus), 445.
solitarius (Scolopax), 453.
solitarius (Totanus), 428, 444, 446, 454, 709, 761.
somalensis (Cursorius), 34, 37, 723.
Southern Sandpiper, 396.
speciosus (Charadrius), 161.
speciosus (Hoplopterus), 147, 157, 161, 162, 735.
speciosus (Vanellus), 162.
spectabilis (Scolopax), 660.
speculifera (Symphemia), 407, 757.
speculiferus (Catoptrophorus), 407.
speculiferus (Totanus), 405, 407.
spicatus (Himantopus), 319.
Spilura, 616.
spinosa (Jacana), 83, 87, 728.
spinosa (Parra), 83.
spinosus (Charadrius), 135, 157.
spinosus (Hoplopterus), 156, 160, 181, 734.
spinosus (Philomachus), 158.
spinosus (Pluvianus), 156.
spinosus (Vanellus), 158.
spixii (Charadrius), 180.
spixii (Hoplopterus), 180.
spixii (Stephanibyx), 180.
spixii (Vanellus), 180.
Spoonbill, Dwarf, 535.
Spotted Plover, 195.
Spotted Pratincole, 54.
Spotted Redshank, 409, 412.
Spotted Sandpiper, 468.
Spotted Snipe, 426.
Spotted Tatler, 469.
Spotted Tringa, 468.
Spur-winged Plover, 135, 157.
Spur-winged Water-hen, 86.
Spur-winged Water-hen of Brazil, 82.
squalula (Tringa), 522.
Squatarola, 145, 182, 733.
squatarola (Charadrius), 186, 187, 737.
squatarola (Pluvialis), 187.
squatarola (Squatarola), 183.
squatarola (Tringa), 182.
squatarolus (Vanellus), 187.
stagnalis (Actitis), 461.
stagnalis (Totanus), 424.
stagnatilis (Glottis), 424.
stagnatilis (Iliornis), 424.
stagnatilis (Scolopax), 666.

stagnatilis (Telmatias), 634.
stagnatilis (Totanus), 409, 422, 433, 759.
Steganopus, 693, 705.
stenodactylus (Phalaropus), 706.
stenoptera (Telmatias), 619.
stenura (Gallinago), 616, 619, 620, 625.
stenura (Scolopax), 619.
stenura (Spilura), 620, 625.
Stephanibyx, 145, 177.
sthenura (Gallinago), 620, 621.
sthenura (Scolopax), 619.
Stilt, Black-necked, 321.
Stilt, Black-winged, 312.
Stiltia, 27, 51.
Stint, Little, 540.
Stint, Temminck's, 557.
stolatus (Charadrius), 135.
stolida (Eudromias), 235.
Stone Curlew, 4.
Stone Snipe, 427.
Streaked Sandpiper, 208.
strenua (Gallinago), 619.
Strepsilas, 91.
striata (Tringa), 414, 580, 768.
Striated Sandpiper, 415.
striatus (Totanus), 417.
stricklandi (Gallinago), 618, 660, 661.
stricklandi (Scolopax), 660.
stricklandi (Telmatias), 660.
stricklandi (Xylocota), 660.
strigilatus (Vanellus), 142.
strophiatus (Clorhynchus), 335.
struthersi (Ibidorhynchus), 335, 752.
struthersi (Numenius), 335.
subarquata (Numenius), 586.
subarquata (Pelidna), 588.
subarquata (Scolopax), 586.
subarquata (Tringa), 567, 586, 589, 768.
subarquatus (Ancylochei-lus), 588.
subarquatus (Ancylochilus), 585, 586, 768.
subarquatus (Schœniclus), 588.
subminuta (Actodromas), 553.
subminuta (Tringa), 550, 553.
subruficollis (Tringa), 521.
subruficollis (Tringites), 521, 522, 766.
subrufina (Hiaticula), 227.
subrufinus (Charadrius), 227.
subtridactyla (Squatarola), 187.
sumatrana (Scolopax), 474.
superciliaris (Cursorius), 48.
superciliosa (Parra), 73.
superciliosus (Anomalophrys), 156.
superciliosus (Lobivanellus), 156.
superciliosus (Œdicnemus), 14.
superciliosus (Sarciophorus), 156.
swainsoni (Thinochorus), 720.
Swiss Sandpiper, 182.
sylvestris (Rusticola), 674.
sylvestris (Scolopax), 674.
sylvestris (Totanus), 494.
Symphemia, 336, 405.
syngenicos (Numenius), 349.

Tachydromus, 34.
tackzanowskia (Micropalama), 400.
taczanowskii (Ereunetes), 400.
taczanowskii (Macrorhamphus), 393, 394, **400, 757.**
tahitiensis (Numenius), 351, 367, 754.
tahitiensis (Scolopax), 367.
taitensis (Charadrius), 200.
taitensis (Numenius), 362, 368.
taitensis (Pluvialis), 201.
taravensis (Cursorius), 39.
tartaricus (Charadrius), 235.
Tatler, Bartram's, 509.
Tatler, Green-rump, 444.
Tatler, Spotted, 469.
Tatler, Yellow-shank, 433.
tectus (Charadrius), 128.
tectus (Hoplopterus), 129.
tectus (Lobivanellus), 129.
tectus (Sarciophorus), 128, 129, 732.
Tell-tale, 428.
Telmatias, 616.
temminckii (Actodromas), 557.
temminckii (Calidris), 557.
temminckii (Chalcopterus), 48.
temminckii (Cursor), 41.
temminckii (Cursorius), 34, 41, 724.
temminckii (Leimonites), 557.
temminckii (Limonites), 537, 538, 555, 557, 767.
temminckii (Pelidna), 557.
temminckii (Schœniclus), 557.
temminckii (Tringa), 540, 545, 546, 550, 555, 557, 767.
Temminck's Stint, 557.
tenella (Ægialitis), 285.
tenellus (Ægialitis), 285.
tenellus (Charadrius), 285, 747.
tenellus (Leucopolius), 285.
tenuirostris (Ægialeus), 290.
tenuirostris (Ægialitis), 262, 290.
tenuirostris (Charadrius), 291.
tenuirostris (Eudromias), 262.
tenuirostris (Numenius), 344, 348, 753.
tenuirostris (Totanus), 424, 426.
tenuirostris (Tringa), 601.
tephroleuca (Recurvirostra), 328.
Terek Avoset, 474.
Terek Snipe, 474.

terek (Limicola), 474.
terek (Limosa), 475.
terek (Scolopax), 474.
terek (Totanus), 476.
terekensis (Fedoa), 474.
Terekia, 339, 474.
terekius (Totanus), 476.
Terutéro o Tetéu, 163.
thermophila (Glareola), 59.
Thick-kneed Bustard, 4.
Thinocoridæ, 2, 714.
Thinocorus, 714, 717.
Thinornis, 146, 304.
thoracica (Ægialitis), 749.
tibialis (Numenius), 368.
torquata (Charadrius), 257.
torquata (Glareola), 54, 59, 725.
torquata (Hiaticula), 289.
torquata (Pelidna), 605.
torquata (Scolopax), 674.
torquata (Tringa), 605.
torquatula (Charadrius), 304.
torquatus (Charadrius), 243.
torquatus (Ocypetes), 720.
Torticella, 30.
Totaninæ, 91, 337.
totanirostris (Charadrius), 123.
totanirostris (Morinellus), 123
totanirostris (Oreophilus), 123.
Totanus, 338, 409.
totanus (Scolopax), 426, 481
Tourne-pierre, Le, 92.
townsendi (Aphriza), 208
townsendi (Himantopus), 121
Trachelia, 53.
tricollaris (Ægialitis), 247, 249, 250.
tricollaris (Charadrius), 247, 249
tricollaris (Hiaticula), 247.
tricollaris (Oxyechus) 247, 743.
tricolor (Charadrius), 154
tricolor (Chettusia), 148.
tricolor (Hoplopterus), 154
tricolor (Lobivanellus), 148.
tricolor (Phalaropus), 706.
tricolor (Sarciophorus), 154.
tricolor (Steganopus), 705, 706.
tricolor (Vanellus), 149
tricolor (Zonifer), 154, 734.
tridactyla (Tringa), 530.
trifasciata (Charadrius), 295.
trifasciata (Hiaticula), 295.
Tringa, 520, 530, 593.
Tringa, Cock Coot-footed, 699.
Tringa, Coot-footed, 693.
Tringa, Grey Coot-footed, 683.
Tringa, Red Coot-footed, 683.
Tringa, Spotted, 468.
Tringites, 520, 521.
Tringoides, 338, 339, 456.
tringoides (Calidris), 530.
tristrami (Gallinago), 662.
tropicus (Lobipes), 702.
Turnstone, 92.
Tylibyx, 145, 153.
typica (Symphemia), 407

uliginosa (Telmatias), 628.
undulata (Gallinago), 616, 618, 650.
undulata (Homoptilura), 650.
undulata (Scolopax), 453, 650.
undulata (Totanus), 454.
unicalva (Gallinago), 636.
uniclavata (Gallinago), 636, 641, 650.
uniclavatus (Scolopax), 624.
uniclavus (Gallinago), 634
unicolor (Hæmatopus), 114, 120, 121, 731.
uropygialis (Limosa), 378.
uropygialis (Numenius), 361
urvillii (Eudromias), 238.
urvillii (Squatarola), 238.
urvillii (Tringa), 234.
utopiensis (Charadrius), 306.

Vaginalis, 710.
vaginalis (Chionis), 710.
vanelloides (Charadrius), 154.
Vanellus, 145, 166.
vanellus (Charadrius), 164, 187, 735.
vanellus (Tringa), 166.
vanellus (Vanellus), 166, 169, 735.
Vanneau, Le, 166.
Vanneau armé de Cayenne, 163.
Vanneau armé de Goa, 149.
Vanneau armé de la Louisiana, 140.
Vanneau armé des Indes, 149.
Vanneau armé du Sénégal, 141, 142.
Vanneau de Suisse, 182.
Vanneau gris, 182.
Vanneau Pluvier, 182.
Vanneau varié, 182.
varia (Ærolia), 588.
varia (Squaratola), 183.
varia (Tringa), 182.
variabilis (Asarcia), 728.
variabilis (Numenius), 603.
variabilis (Parra), 86, 138.
variabilis (Pelidna), 604.
variabilis (Rhynchæa), 685.
variabilis (Tringa), 603, 628.
varié, Vanneau, 182
variegata (Ærolia), 586.
variegata (Rhynchæa), 685
variegatus (Numenius), 359, 361, 754.
variegatus (Tantalus), 361.
variegatus (Totanus), 509.
varius (Ægialitis), 238.
varius (Charadrius), 297.
varius (Pluvialis), 187.
varius (Vanellus), 169.
ventralis (Charadrius), 159.
ventralis (Hoplopterus), 157, 159, 754.
ventralis (Philomachus), 159.
ventralis (Vanellus), 160, 175.
venusta (Ægialitis), 268, 286, 747.

venusta (Charadrius), 286, 747.
veredus (Ægialitis), 232.
veredus (Charadrius), 232.
veredus (Eudromias), 233, 741.
veredus (Ochthodromus), 210, 231, 232, 741.
vermiculatus (Œdicnemus), 10, 11.
vigorsii (Glottis), 484.
villotæi (Chætusia), 172.
villotæi (Chettusia), 172.
villotæi (Vanellus), 171, 172.
villototæi (Vanellus), 172.
violacea (Jacana), 87.
violacea (Parra), 87.
virgata (Aphriza), 208, 739.
virgata (Tringa), 208.
virgatus (Numenius), 343.
virginianicus (Charadrius), 200.
virginicus (Charadrius), 199, 200, 201, 738.
virginicus (Pluvialis), 200.
viridis (Parra), 85.
viridis (Rostratula), 684.
vocifer (Œdicnemus), 12.
vociferans (Ægialodes), 429.
vociferus (Charadrius), 242.
vociferus (Oxyechus), 242, 244, 742.
vociferus (Scolopax), 427.
vociferus (Totanus), 428.
vulgaris (Arenaria), 526.
vulgaris (Gallinago), 636.
vulgaris (Himantopus), 311.
vulgaris (Ostralegus), 109.
vulgaris (Phæopus), 357.
vulgaris (Phalaropus), 700.
vulgaris (Rusticola), 674.
vulgaris (Vanellus), 166, 735.

wagleri (Chettusia), 175.
Water-hen, Spur-winged, 86.
Wattled Plover, 130.
Wattled Sandpiper, 139.
Whimbrel, 355.
Whimbrel, American, 365.
White Godwit, 389.
White Godwit from Hudson's Bay, 388.
White Indian Snipe, 683.
White Sheath-bill, 710.
White-winged Sandpiper, 525.
Willet, 405.
williamsii (Phalaropus), 700.
wilsoni (Actodromas), 550.
wilsoni (Ægialitis), 215.
wilsoni (Gallinago), 636, 642, 643, 647.
wilsoni (Hiaticula), 215.
wilsoni (Holopodius), 706.
wilsoni (Lobipes), 696, 706.
wilsoni (Ochthodromus), 210, 214, 739.
wilsoni (Phalaropus), 706.
wilsoni (Scolopax), 642, 644.
wilsoni (Squatarola), 187.
wilsoni (Steganopus), 706.
wilsoni (Telmatias), 643.
wilsoni (Tringa), 549.
wilsonia (Ægialitis), 214, 739.
wilsonia (Charadrius), 214.
wilsoniana (Ægialitis), 215.
wilsonius (Charadrius), 214.
wilsonius (Ochthodromus), 215.
Wilson's Snipe, 642.
winterfeldti (Charadrius), 208.
Woodcock, 671.
Woodcock, Lesser, 679.
Woodcock, Little, 679.
Woodcock, Savanna, 659.
Wood Sandpiper, 491.
Wreathed Plover, 178.

xanthocheilus (Charadrius), 200.
xanthocheilus (Pluvialis), 201, 232.
xanthocheilus (Xanthocheilus), 213.
Xenus, 474.
Xiphidiopterus, 145, 146.
Xiphidiorhynchus, 324.
Xylochota, 616.

Yarwelph, 373.
Yellowshanks, 431.
Yellowshanks, Greater, 428.
Yellowshanks, Tatler, 433.

zealandiæ (Thinornis), 750.
zonatus (Ægialitis), 266.
zonatus (Charadrius), 265.
Zonibyx, 146, 238.
Zonifer, 145, 154.

END OF THE TWENTY-FOURTH VOLUME.

PRINTED BY TAYLOR AND FRANCIS, RED LION COURT, FLEET STREET.

LIST OF PLATES.

Rhinoptilus bisignatus, p. 45 .. .. Pl. I.
—— hartingi, p. 46 .... Pl. II.
—— cinctus, p. 46 ..... Pl. III. fig. 2.
—— seebohmi, p. 47 ..... Pl. III. fig. 1.
—— chalcopterus, p. 48 ..... Pl. IV. fig. 1.
—— albofasciatus, p. 49 .... Pl. IV. fig. 2.
Galactochrysea liberiæ, p. 63 ..... Pl. V. fig. 1.
=*G. marchei*, p. 726.
—— emini, p. 64 ..... Pl. V. fig. 2.
Hæmatopus durnfordi, p. 117 ..... Pl. VI.
Defilippia crassirostris, p. 126 .. .. Pl. VII. fig. 2.
—— leucoptera, p. 127 ..... Pl. VII. fig. 1.

1/2

J. & E. Gould del. et lith. Mintern Bros. Printers, &c.

Rhinoptilus bicinctus.

J. G. Keulemans del. et lith. Mintern Bros. Chromo lith.

½

Rhinoptilus hartingi.

1. Rhinoptilus seebohmi. 2. Rhinoptilus cinctus.

1. *Rhinoptilus chalcopterus.* 2. *Rhinoptilus albifasciatus.*

J. G. Keulemans del et lith.

Mintern Bros. Chromo lith.

1. Galactochryses liberiæ. 2. Galactochryses omani.

J. G. Keulemans del. et lith.

Mintern Bros. Chromo Lith.

Hæmatopus durnfordi.

J. & Zealemans del. et lith. Mintern Bros. Chromo. Bth.

1. Defillipia leucoptera. 2. Defillipia crassirostris.

LIST OF THE CURRENT

NATURAL HISTORY PUBLICATIONS OF THE TRUSTEES OF THE BRITISH MUSEUM.

The following publications can be purchased through the Agency of *Messrs.* LONGMANS & Co., 39, *Paternoster Row*; *Mr.* QUARITCH, 15, *Piccadilly*; *Messrs.* KEGAN PAUL, TRENCH, TRÜBNER & Co., *Paternoster House, Charing Cross Road*; and *Messrs.* DULAU & Co., 37, *Soho Square*; or at the NATURAL HISTORY MUSEUM, *Cromwell Road, London, S.W.*

Catalogue of the Specimens and Drawings of Mammals, Birds, Reptiles, and Fishes of Nepal and Tibet. Presented by B. H. Hodgson, Esq., to the British Museum. 2nd edition. By John Edward Gray. Pp. xii., 90. [With an account of the Collection by Mr. Hodgson.] 1863, 12mo. *2s. 3d.*

Report on the Zoological Collections made in the Indo-Pacific Ocean during the voyage of H.M.S. "Alert," 1881–2. Pp. xxv., 684. 51 Plates. 1884, 8vo.

Summary of the Voyage	By Dr. R. W. Coppinger.
Mammalia	„ O. Thomas.
Aves	„ R. B. Sharpe.
Reptilia, Batrachia, Pisces	„ A. Günther.
Mollusca	„ E. A. Smith.
Echinodermata	„ F. J. Bell.
Crustacea	„ E. J. Miers.
Coleoptera	„ C. O. Waterhouse.
Lepidoptera	„ A. G. Butler.
Alcyonaria and Spongiida	„ S. O. Ridley.

1l. 10s.

MAMMALS.

List of the Specimens of Mammalia in the Collection of the British Museum. By Dr. J. E. Gray, F.R.S. Pp. xxviii., 216. [With Systematic List of the Genera of Mammalia, Index of Donations, and Alphabetical Index.] 1843, 12mo. *2s. 6d.*

List of the Osteological Specimens in the Collection of the British Museum. By John Edward Gray. Pp. xxv., 147. [With Systematic Index and Appendix.] 1847, 12 mo. *2s.*

o 89533. 3000.—12/95. Wt. 16346. E. & S. A

Catalogue of the Bones of Mammalia in the Collection of the British Museum. By Edward Gerrard. Pp. iv., 296. 1862, 8vo. 5*s.*

Catalogue of Monkeys, Lemurs, and Fruit-eating Bats in the Collection of the British Museum. By Dr. J. E. Gray, F.R.S., &c. Pp. viii., 137. 21 Woodcuts. 1870, 8vo. 4*s.*

Catalogue of Carnivorous, Pachydermatous, and Edentate Mammalia in the British Museum. By John Edward Gray, F.R.S., &c. Pp. vii., 398. 47 Woodcuts. 1869, 8vo. 6*s.* 6*d.*

Catalogue of Seals and Whales in the British Museum. By John Edward Gray, F.R.S., &c. 2nd edition. Pp. vii., 402. 101 Woodcuts. 1866, 8vo. 8*s.*

——— Supplement. By John Edward Gray, F.R.S., &c. Pp. vi., 103. 11 Woodcuts. 1871, 8vo. 2*s.* 6*d.*

List of the Specimens of Cetacea in the Zoological Department of the British Museum. By William Henry Flower, LL.D., F.R.S, &c. [With Systematic and Alphabetical Indexes.] Pp. iv., 36. 1885, 8vo. 1*s.* 6*d.*

Catalogue of Ruminant Mammalia (*Pecora*, Linnæus) in the British Museum. By John Edward Gray, F.R.S., &c. Pp. viii., 102. 4 Plates. 1872, 8vo. 3*s.* 6*d.*

Catalogue of the Marsupialia and Monotremata in the Collection of the British Museum. By Oldfield Thomas. Pp. xiii., 401. 4 coloured and 24 plain Plates. [With Systematic and Alphabetical Indexes.] 1888, 8vo. 1*l.* 8*s.*

BIRDS.

Catalogue of the Birds in the British Museum:—

Vol. VI. Catalogue of the Passeriformes, or Perching Birds in the Collection of the British Musuem. *Cichlomorphæ:* Part III., containing the first portion of the family Timeliidæ (Babbling Thrushes). By R. Bowdler Sharpe. Pp. xiii., 420. Woodcuts and 18 coloured Plates. [With Systematic and Alphabetical Indexes.] 1881, 8vo. 1*l.*

Vol. VII. Catalogue of the Passeriformes, or Perching Birds, in the Collection of the British Museum. *Cichlomorphæ:* Part IV., containing the concluding portion of the family Timeliidæ (Babbling Thrushes). By R. Bowdler Sharpe. Pp. xvi., 698. Woodcuts and 15 coloured Plates. [With Systematic and Alphabetical Indexes.] 1883, 8vo. 1*l.* 6*s.*

Vol. VIII. Catalogue of the Passeriformes or Perching Birds, in the Collection of the British Museum. *Cichlomorphæ:* Part V., containing the families Paridæ and Laniidæ (Titmice and Shrikes); and *Certhiomorphæ* (Creepers and Nuthatches). By Hans Gadow, M.A., Ph.D. Pp. xiii., 386. Woodcuts and 9 coloured Plates. [With Systematic and Alphabetical Indexes.] 1883, 8vo. 17*s.*

Catalogue of the Birds in the British Museum—*continued.*

Vol. IX. Catalogue of the Passeriformes, or Perching Birds, in the Collection of the British Museum. *Cinnyrimorphæ*, containing the families Nectariniidæ and Meliphagidæ (Sun Birds and Honey-eaters). By Hans Gadow, M.A., Ph.D. Pp. xii., 310. Woodcuts and 7 coloured Plates. [With Systematic and Alphabetical Indexes.] 1884, 8vo. 14*s.*

Vol. X. Catalogue of the Passeriformes, or Perching Birds, in the Collection of the British Museum. *Fringilliformes:* Part I., containing the families Dicæidæ, Hirundinidæ, Ampelidæ, Mniotiltidæ, and Motacillidæ. By R. Bowdler Sharpe. Pp. xiii., 682. Woodcuts and 12 coloured Plates. [With Systematic and Alphabetical Indexes.] 1885, 8vo. 1*l.* 2*s.*

Vol. XI. Catalogue of the Passeriformes, or Perching Birds, in the Collection of the British Museum. *Fringilliformes:* Part II., containing the families Cœrebidæ, Tanagridæ, and Icteridæ. By Philip Lutley Sclater, M.A., F.R.S. Pp. xvii., 431. [With Systematic and Alphabetical Indexes.] Woodcuts and 18 coloured Plates. 1886, 8vo. 1*l.*

Vol. XII. Catalogue of the Passeriformes, or Perching Birds, in the Collection of the British Museum. *Fringilliformes:* Part III., containing the family Fringillidæ. By R. Bowdler Sharpe. Pp. xv., 871. Woodcuts and 16 coloured Plates. [With Systematic and Alphabetical Indexes.] 1888, 8vo. 1*l.* 8*s.*

Vol. XIII. Catalogue of the Passeriformes, or Perching Birds, in the Collection of the British Museum. *Sturniformes*, containing the families Artamidæ, Sturnidæ, Ploceidæ, and Alaudidæ. Also the families Atrichiidæ and Menuridæ. By R. Bowdler Sharpe. Pp. xvi, 701. Woodcuts and 15 coloured Plates. [With Systematic and Alphabetical Indexes.] 1890, 8vo., 1*l.* 8*s.*

Vol. XIV. Catalogue of the Passeriformes, or Perching Birds, in the Collection of the British Museum. *Oligomyodæ*, or the families Tyrannidæ, Oxyrhamphidæ, Pipridæ, Cotingidæ, Phytotomidæ, Pteroptochidæ, Pittidæ, Xenicidæ, and Eurylæmidæ. By Philip Lutley Sclater, M.A., F.R.S. Pp. xix., 494. Woodcuts and 26 coloured Plates. [With Systematic and Alphabetical Indexes.] 1888, 8vo. 1*l.* 4*s.*

Vol. XV. Catalogue of the Passeriformes, or Perching Birds, in the Collection of the British Museum. *Tracheophonæ*, or the families Dendrocolaptidæ, Formicariidæ, Conopophagidæ, and Pteroptochidæ. By Philip Lutley Sclater, M.A., F.R.S. Pp. xvii., 371. Woodcuts and 20 coloured Plates. [With Systematic and Alphabetical Indexes.] 1890, 8vo. 1*l.*

Catalogue of the Birds in the British Museum—*continued.*

Vol. XVI. Catalogue of the Picariæ in the Collection of the British Museum. *Upupæ* and *Trochili*, by Osbert Salvin. *Coraciæ*, of the families Cypselidæ, Caprimulgidæ, Podargidæ, and Steatornithidæ, by Ernst Hartert. Pp. xvi., 703. Woodcuts and 14 coloured Plates. [With Systematic and Alphabetical Indexes.] 1892, 8vo. 1*l.* 16*s.*

Vol. XVII. Catalogue of the Picariæ in the Collection of the British Museum. *Coraciæ* (contin.) and *Halcyones*, with the families Leptosomatidæ, Coraciidæ, Meropidæ, Alcedinidæ, Momotidæ, Totidæ, and Coliidæ, by R. Bowdler Sharpe. *Bucerotes* and *Trogones*, by W. R. Ogilvie Grant. Pp. xi., 522. Woodcuts and 17 coloured Plates. [With Systematic and Alphabetical Indexes.] 1892, 8vo. 1*l.* 10*s.*

Vol. XVIII. Catalogue of the Picariæ in the Collection of the British Museum. *Scansores*, containing the family Picidæ. By Edward Hargitt. Pp. xv., 597. Woodcuts and 15 coloured Plates. [With Systematic and Alphabetical Indexes.] 1890, 8vo. 1*l.* 6*s.*

Vol. XIX. Catalogue of the Picariæ in the Collection of the British Museum. *Scansores* and *Coccyges*: containing the families Rhamphastidæ, Galbulidæ, and Bucconidæ, by P. L. Sclater; and the families Indicatoridæ, Capitonidæ, Cuculidæ, and Musophagidæ, by G. E. Shelley. Pp. xii., 484: 13 coloured Plates. [With Systematic and Alphabetical Indexes.] 1891, 8vo. 1*l.* 5*s.*

Vol. XX. Catalogue of the Psittaci, or Parrots, in the Collection of the British Museum. By T. Salvadori. Pp. xvii., 658: woodcuts and 18 coloured Plates. [With Systematic and Alphabetical Indexes.] 1891, 8vo. 1*l.* 10*s.*

Vol. XXI. Catalogue of the Columbæ, or Pigeons, in the Collection of the British Museum. By T. Salvadori. Pp. xvii., 676: 15 coloured Plates. [With Systematic and Alphabetical Indexes.] 1893, 8vo. 1*l.* 10*s.*

Vol. XXII. Catalogue of the Game Birds (*Pterocletes*, *Gallinæ*, *Opisthocomi*, *Hemipodii*) in the Collection of the British Museum. By W. R. Ogilvie Grant. Pp. xvi., 585: 8 coloured Plates. [With Systematic and Alphabetical Indexes.] 1893, 8vo. 1*l.* 6*s.*

Vol. XXIII. Catalogue of the Fulicariæ (Rallidæ and Heliornithidæ) and Alectorides (Aramidæ, Eurypygidæ, Mesitidæ, Rhinochetidæ, Gruidæ, Psophiidæ, and Otididæ) in the Collection of the British Museum. By R. Bowdler Sharpe. Pp. xiii, 353: 9 coloured Plates. [With Systematic and Alphabetical Indexes.] 1894, 8vo. 20*s.*

List of the Specimens of Birds in the Collection of the British Museum. By George Robert Gray:—

Part III., Section I. Ramphastidæ. Pp. 16. [With Index.] 1855, 12mo. 6*d.*

List of Specimens of Birds in the British Museum—*continued.*

Part III., Section II. Psittacidæ. Pp. 110. [With Index.] 1859, 12mo. 2*s.*

Part III., Sections III. and IV. Capitonidæ and Picidæ. Pp. 137. [With Index.] 1868, 12mo. 1*s.* 6*d.*

Part IV. Columbæ. Pp. 73. [With Index.] 1856, 12mo. 1*s.* 9*d.*

Part V. Gallinæ. Pp. iv., 120. [With an Alphabetical Index.] 1867, 12mo. 1*s.* 6*d.*

Catalogue of the Birds of the Tropical Islands of the Pacific Ocean in the Collection of the British Museum. By George Robert Gray, F.L.S., &c. Pp. 72. [With an Alphabetical Index.] 1859, 8vo. 1*s.* 6*d.*

REPTILES.

Catalogue of the Tortoises, Crocodiles, and Amphisbænians in the Collection of the British Museum. By Dr. J. E. Gray, F.R.S., &c. Pp. viii., 80. [With an Alphabetical Index.] 1844, 12mo. 1*s.*

Catalogue of Shield Reptiles in the Collection of the British Museum. By John Edward Gray, F.R.S., &c.:—

Appendix. Pp. 28. 1872, 4to. 2*s.* 6*d.*

Part II. Emydosaurians, Rhynchocephalia, and Amphisbænians. Pp. vi., 41. 25 Woodcuts. 1872, 4to. 3*s.* 6*d.*

Hand-List of the Specimens of Shield Reptiles in the British Museum. By Dr. J. E. Gray, F.R.S., F.L.S., &c. Pp. iv., 124. With an Alphabetical Index. 1873, 8vo. 4*s.*

Catalogue of the Chelonians, Rhynchocephalians, and Crocodiles in the British Museum (Natural History). New Edition. By George Albert Boulenger. Pp. x., 311. 73 Woodcuts and 6 Plates. With Systematic and Alphabetical Indexes. 1889, 8vo. 15*s.*

Catalogue of the Specimens of Lizards in the Collection of the British Museum. By Dr. J. E. Gray, F.R.S., &c. Pp. xxviii., 289. [With Geographic, Systematic, and Alphabetical Indexes.] 1845, 12mo. 3*s.* 6*d.*

Catalogue of the Lizards in the British Museum (Natural History). Second Edition. By George Albert Boulenger:—

Vol. I. Geckonidæ, Eublepharidæ, Uroplatidæ, Pygopodidæ, Agamidæ. Pp. xii., 436. 32 Plates. [With Systematic and Alphabetical Indexes.] 1885, 8vo. 20*s.*

Vol. II. Iguanidæ, Xenosauridæ, Zonuridæ, Anguidæ, Anniellidæ, Helodermatidæ, Varanidæ, Xantusiidæ, Teiidæ, Amphisbænidæ. Pp. xiii., 497. 24 Plates. [With Systematic and Alphabetical Indexes.] 1885, 8vo. 20*s.*

Catalogue of the Lizards in the British Museum—*continued*.

Vol. III. Lacertidæ, Gerrhosauridæ, Scincidæ, Anelytropidæ, Dibamidæ, Chamæleontidæ. Pp. xii., 575. 40 Plates. [With a Systematic Index and an Alphabetical Index to the three volumes.] 1887, 8vo. 1*l.* 6*s.*

Catalogue of the Snakes in the British Museum (Natural History). By George Albert Boulenger, F.R.S.:—

Vol. I., containing the families Typhlopidæ, Glauconiidæ, Boidæ, Ilysiidæ, Uropeltidæ, Xenopeltidæ, and Colubridæ aglyphæ, part. Pp. xiii., 448: 26 Woodcuts and 28 Plates. [With Systematic and Alphabetical Indexes.] 1893, 8vo. 1*l.* 1*s.*

Vol. II., containing the conclusion of the Colubridæ aglyphæ. Pp. xi., 382: 25 Woodcuts and 20 Plates. [With Systematic and Alphabetical Indexes.] 1894, 8vo. 17*s.* 6*d.*

Catalogue of Colubrine Snakes in the Collection of the British Museum. By Dr. Albert Günther. Pp. xvi., 281. [With Geographic, Systematic, and Alphabetical Indexes.] 1858, 12mo. 4*s.*

BATRACHIANS.

Catalogue of the Batrachia Salientia in the Collection of the British Museum. By Dr. Albert Günther. Pp. xvi., 160. 12 Plates. [With Systematic, Geographic, and Alphabetical Indexes.] 1858, 8vo. 6*s.*

Catalogue of the Batrachia Gradientia, s. Caudata, and Batrachia Apoda in the Collection of the British Museum. Second Edition. By George Albert Boulenger. Pp. viii., 127. 9 Plates. [With Systematic and Alphabetical Indexes.] 1882, 8vo. 9*s.*

FISHES.

Catalogue of the Fishes in the Collection of the British Museum. By Dr. Albert Günther, F.R.S., &c.:—

Vol. VII. Physostomi (Heterophygii, Cyprinidæ, Gonorhynchidæ, Hyodontidæ, Osteoglossidæ, Clupeidæ, Chirocentridæ, Alepocephalidæ, Notopteridæ, Halosauridæ). Pp. xx., 512. Woodcuts. [With Systematic and Alphabetical Indexes.] 1868, 8vo. 8*s.*

Vol. VIII. Physostomi (Gymnotidæ, Symbranchidæ, Muræenidæ, Pegasidæ), Lophobranchii, Plectognathi, Dipnoi, Ganoidei, Chondropterygii, Cyclostomata, Leptocardii. Pp. xxv., 549. [With Systematic and Alphabetical Indexes.] 1870, 8vo. 8*s.* 6*d.*

Catalogue of the Fishes in the British Museum. Second edition. Vol. I. Catalogue of the Perciform Fishes in the British Museum. Vol. I. containing the Centrarchidæ, Percidæ, and Serranidæ (part). By George Albert Boulenger, F.R.S. Pp. xix., 394. Woodcuts and 15 plates. [With Systematic and Alphabetical Indexes.] 1895, 8vo. 15*s.*

List of the Specimens of Fish in the Collection of the British Museum. Part I. Chondropterygii. By J. E. Gray. Pp. x., 160. 2 Plates. [With Systematic and Alphabetical Indexes.] 1851, 12mo. 3*s.*

Catalogue of Fish collected and described by Laurence Theodore Gronow, now in the British Museum. Pp. viii., 196. [With a Systematic Index.] 1854, 12mo. 3*s.* 6*d.*

Catalogue of Lophobranchiate Fish in the Collection of the British Museum. By J. J. Kaup, Ph.D., &c. Pp. iv., 80. 4 Plates. [With an Alphabetical Index.] 1856, 12mo. 2*s.*

MOLLUSCA.

Guide to the Systematic Distribution of Mollusca in the British Museum. Part I. By John Edward Gray, Ph.D., F.R.S., &c. Pp. xii., 230. 121 Woodcuts. 1857, 8vo. 5*s.*

List of the Shells of the Canaries in the Collection of the British Museum, collected by MM. Webb and Berthelot. Described and figured by Prof. Alcide D'Orbigny in the "Histoire Naturelle des Iles Canaries." Pp. 32. 1854, 12mo. 1*s.*

List of the Shells of Cuba in the Collection of the British Museum, collected by M. Ramon de la Sagra. Described by Prof. Alcide d'Orbigny in the "Histoire de l'Ile de Cuba." Pp. 48. 1854, 12mo. 1*s.*

List of the Shells of South America in the Collection of the British Museum. Collected and described by M. Alcide D'Orbigny in the "Voyage dans l'Amerique Meridionale." Pp. 80. 1854, 12mo. 2*s.*

Catalogue of the Collection of Mazatlan Shells in the British Museum, collected by Frederick Reigen. Described by Philip P. Carpenter. Pp. xvi., 552. 1857, 12mo. 8*s.*

List of Mollusca and Shells in the Collection of the British Museum, collected and described by MM. Eydoux and Souleyet in the "Voyage autour du Monde, executé pendant les années 1836 et 1837, sur la Corvette 'La Bonite,'" and in the "Histoire naturelle des Mollusques Ptéropodes." Par MM. P. C. A. L. Rang et Souleyet. Pp. iv., 27. 1853, 12mo. 8*d.*

Catalogue of the Pharyngobranchous, or Terrestrial Operculated Mollusca, in the Collection of the British Museum. By Dr L. Pfeiffer. Pp. 324. [With an Alphabetical Index.] 1852, 12mo. 5*s.*

Nomenclature of Molluscous Animals and Shells in the Collection of the British Museum. Part I. Cyclophoridæ. Pp. 69. [With an Index.] 1850, 12mo. 1*s.* 6*d.*

Catalogue of Pulmonata, or Air Breathing Mollusca, in the Collection of the British Museum. Part I. By Dr. Louis Pfeiffer. Pp. iv., 192. Woodcuts. 1855, 12mo. 2*s.* 6*d.*

Catalogue of the Auriculidæ, Proserpinidæ, and Truncatellidæ in the Collection of the British Museum. By Dr. Louis Pfeiffer. Pp. iv., 150. Woodcuts. 1857, 12mo. 1*s.* 9*d.*

List of the Mollusca in the Collection of the British Museum. By John Edward Gray, Ph.D., F.R.S., &c.

Part I. Volutidæ. Pp. 23. 1855, 12mo. 6*d.*

Part II. Olividæ. Pp. 41. 1865, 12mo. 1*s.*

Catalogue of the Conchifera, or Bivalve Shells, in the Collection of the British Museum. By M. Deshayes :—

Part I. Veneridæ, Cyprinidæ, Glauconomidæ, and Petricoladæ. Pp. iv., 216. 1853, 12mo. 3*s.*

Part II. Petricoladæ (concluded); Corbiculadæ. Pp. 217–292. [With an Alphabetical Index to the two parts.] 1854, 12mo. 6*d.*

BRACHIOPODA.

Catalogue of Brachiopoda Ancylopoda or Lamp Shells in the Collection of the British Museum. [*Issued as* "Catalogue of the Mollusca, Part IV."] Pp. iv., 128. 25 Woodcuts. [With an Alphabetical Index.] 1853, 12mo. 3*s.*

POLYZOA.

Catalogue of Marine Polyzoa in the Collection of the British Museum. Part III. Cyclostomata. By George Busk, F.R.S. Pp. viii., 39. 38 Plates. [With a Systematic Index.] 1875, 8vo. 5*s.*

CRUSTACEA.

Catalogue of Crustacea in the Collection of the British Museum. Part I. Leucosiadæ. By Thomas Bell, V.P.R.S., Pres. L.S., &c. Pp. iv., 24. 1855, 8vo. 6*d.*

Catalogue of the Specimens of Amphipodous Crustacea in the Collection of the British Museum. By C. Spence Bate, F.R.S., &c. Pp. iv., 399. 58 Plates. [With an Alphabetical Index.] 1862, 8vo. 1*l.* 5*s.*

ARACHNIDA.

Descriptive Catalogue of the Spiders of Burma, based upon the Collection made by Eugene W. Oates and preserved in the British Museum. By T. Thorell. Pp. xxxvi., 406. [With Systematic List and Alphabetical Index.] 1895, 8vo. 10*s.* 6*d.*

MYRIOPODA.

Catalogue of the Myriapoda in the Collection of the British Museum. By George Newport, F.R.S., F.L.S., &c. Part I. Chilopoda. Pp. iv., 96. [With an Alphabetical Index.] 1856, 12mo. 1*s.* 9*d.*

INSECTS.

Coleopterous Insects.

Nomenclature of Coleopterous Insects in the Collection of the British Museum:—

Part IV. Clerida. By Adam White. Pp. 68. [With Index.] 1849, 12mo. 1*s.* 8*d.*

Part V. Cucujida, &c. By Frederick Smith. [*Also issued as* "List of the Coleopterous Insects. Part I."] Pp. 25. 1851, 12mo. 6*d.*

Part VI. Passalida. By Frederick Smith. Pp. iv., 23. 1 Plate. [With Index.] 1852, 12mo. 8*d.*

Part VII. Longicornia, I. By Adam White. Pp. iv., 174. 4 Plates. 1853, 12mo. 2*s.* 6*d.*

Part VIII. Longicornia, II. By Adam White. Pp. 237. 6 Plates. 1855, 12mo. 3*s.* 6*d.*

Part IX. Cassidida. By Charles H. Boheman, Professor of Natural History, Stockholm. Pp. 225. [With Index.] 1856, 12mo. 3*s.*

Illustrations of Typical Specimens of Coleoptera in the Collection of the British Museum. Part I. Lycida. By Charles Owen Waterhouse. Pp. v., 83. 18 coloured Plates. [With Systematic and Alphabetical Indexes.] 1879, 8vo. 16*s.*

Catalogue of the Coleopterous Insects of Madeira in the Collection of the British Museum. By T. Vernon Wollaston, M.A., F.L.S. Pp. xvi., 234; 1 Plate. With a Topographical Catalogue and an Alphabetical Index. 1857, 8vo. 3*s.*

Catalogue of the Coleopterous Insects of the Canaries in the Collection of the British Museum. By T. Vernon Wollaston, M.A., F.L.S. Pp. xiii., 648. [With Topographical and Alphabetical Indexes.] 1864, 8vo. 10*s.* 6*d.*

Catalogue of Halticidæ in the Collection of the British Museum. By the Rev. Hamlet Clark, M.A., F.L.S. Physapodes and Edipodes. Part I. Pp. xii., 301. Frontispiece and 9 Plates. 1860, 8vo. 7*s.*

Catalogue of Hispidæ in the Collection of the British Museum. By Joseph S. Baly, M.E.S., &c. Part I. Pp. x., 172. 9 Plates. [With an Alphabetical Index.] 1858, 8vo. 6*s*.

Hymenopterous Insects.

List of the Specimens of Hymenopterous Insects in the Collection of the British Museum. By Francis Walker, F.L.S.:—

Part II. Chalcidites. Additional Species. Appendix. Pp. iv., 99–237. 1848, 12mo. 2*s*.

Catalogue of Hymenopterous Insects in the Collection of the British Museum. By Frederick Smith. 12mo.:—

Part I. Andrenidæ and Apidæ. Pp. 197. 6 Plates. 1853, 2*s*. 6*d*.

Part II. Apidæ. Pp. 199–465. 6 Plates. [With an Alphabetical Index.] 1854, 6*s*.

Part III. Mutillidæ and Pompilidæ. Pp. 206. 6 Plates. 1855, 6*s*.

Part IV. Sphegidæ, Larridæ, and Crabronidæ. Pp. 207–497. 6 Plates. [With an Alphabetical Index.] 1856, 6*s*.

Part V. Vespidæ. Pp. 147. 6 Plates. [With an Alphabetical Index.] 1857, 6*s*.

Part VI. Formicidæ. Pp. 216. 14 Plates. [With an Alphabetical Index.] 1858, 6*s*.

Part VII. Dorylidæ and Thynnidæ. Pp. 76. 3 Plates. [With an Alphabetical Index.] 1859, 2*s*.

Descriptions of New Species of Hymenoptera in the Collection of the British Museum. By Frederick Smith. Pp. xxi., 240. [With Systematic and Alphabetical Indexes.] 1879, 8vo. 10*s*.

List of Hymenoptera, with descriptions and figures of the Typical Specimens in the British Museum. Vol. I., Tenthredinidæ and Siricidæ. By W. F. Kirby. Pp. xxviii., 450. 16 Coloured Plates. [With Systematic and Alphabetical Indexes.] 1882, 8vo. 1*l*. 18*s*.

Dipterous Insects.

List of the Specimens of Dipterous Insects in the Collection of the British Museum. By Francis Walker, F.L.S. 12mo.:—

Part IV. Pp. 689–1172. [With an Index to the four parts, and an Index of Donors.] 1849. 6*s*.

Part VII. Supplement III. Asilidæ. Pp. ii., 507–775. 1855. 3*s*. 6*d*.

Lepidopterous Insects.

Illustrations of Typical Specimens of Lepidoptera Heterocera in the Collection of the British Museum:—

Part III. By Arthur Gardiner Butler. Pp. xviii., 82. 41–60 Coloured Plates. [With a Systematic Index.] 1879, 4to. 2*l*. 10*s*.

Illustrations of Typical Specimens of Lepidoptera Heterocera —*continued*.

Part V. By Arthur Gardiner Butler. Pp. xii., 74. 78–100 Coloured Plates. [With a Systematic Index.] 1881, 4to. 2*l*. 10*s*.

Part VI. By Arthur Gardiner Butler. Pp. xv., 89. 101–120 Coloured Plates. [With a Systematic Index.] 1886, 4to. 2*l*. 4*s*.

Part VII. By Arthur Gardiner Butler. Pp. iv., 124. 121–138 Coloured Plates. [With a Systematic List.] 1889, 4to. 2*l*.

Part VIII. The Lepidoptera Heterocera of the Nilgiri District. By George Francis Hampson. Pp. iv., 144. 139–156 Coloured Plates. [With a Systematic List.] 1891, 4to. 2*l*.

Part IX. The Macrolepidoptera Heterocera of Ceylon. By George Francis Hampson. Pp. v., 182. 157–176. Coloured Plates. [With a General Systematic List of Species collected in, or recorded from, Ceylon.] 1893, 4to. 2*l*. 2*s*.

Catalogue of Diurnal Lepidoptera of the family Satyridæ in the Collection of the British Museum. By Arthur Gardiner Butler, F.L.S., &c. Pp. vi., 211. 5 Plates. [With an Alphabetical Index.] 1868, 8vo. 5*s*. 6*d*.

Catalogue of Diurnal Lepidoptera described by Fabricius in the Collection of the British Museum. By Arthur Gardiner Butler, F.L.S., &c. Pp. iv., 303. 3 Plates. 1874, 8vo. 7*s*. 6*d*.

Specimen of a Catalogue of Lycænidæ in the British Museum. By W. C. Hewitson. Pp. 15. 8 Coloured Plates. 1862, 4to. 17*s*.

List of Lepidopterous Insects in the Collection of the British Museum. Part I. Papilionidæ. By G. R. Gray, F.L.S. Pp. 100. [With an Alphabetical Index.] 1856, 12mo. 2*s*.

List of the Specimens of Lepidopterous Insects in the Collection of the British Museum. By Francis Walker. 12mo.:—

Part VI. Lepidoptera Heterocera. Pp. 1258–1567. 1855, 3*s*. 6*d*.

Part X. Noctuidæ. Pp. 253–491. 1856, 3*s*. 6*d*.

Part XII. — — — — — Pp. 765–982. 1857, 3*s*. 6*d*.

Part XIII. — — — — Pp. 983–1236. 1857, 3*s*. 6*d*.

Part XIV. — — Pp. 1237–1519. 1858, 4*s*. 6*d*.

Part XV. — — — Pp. 1520–1888. [With an Alphabetical Index to Parts IX.–XV.] 1858, 4*s*. 6*d*.

Part XVI. Deltoides. Pp. 253. 1858, 3*s*. 6*d*.

Part XIX. Pyralides. Pp. 769–1088. [With an Alphabetical Index to Parts XVI.–XIX.] 1859, 3*s*. 6*d*.

Part XXI. Geometrites. Pp. 277–498. 1860, 3*s*.

Part XXII. — — — — Pp. 499–755. 1861, 3*s*. 6*d*.

Part XXIII. — — — — Pp. 756–1020. 1861, 3*s*. 6*d*.

List of Specimens of Lepidopterous Insects—*continued.*

Part XXIV. ——— Pp. 1021–1280. 1862, 3*s.* 6*d.*

Part XXV. ——— Pp. 1281–1477. 1862, 3*s.*

Part XXVI. ——— Pp. 1478–1796. [With an Alphabetical Index to Parts XX.–XXVI.] 1862, 4*s.* 6*d.*

Part XXVII. Crambites and Tortricites. Pp. 1–286. 1863, 4*s.*

Part XXVIII. Tortricites and Tineites. Pp. 287–561. 1863, 4*s.*

Part XXIX. Tineites. Pp. 562–835. 1864, 4*s.*

Part XXX. ——— Pp. 836–1096. [With an Alphabetical Index to Parts XXVII.–XXX.] 1864, 4*s.*

Part XXXI. Supplement. Pp. 1–321. 1864, 5*s.*

Part XXXII. ——— Part 2. Pp. 322–706. 1865, 5*s.*

Part XXXIII. ——— Part 3. Pp. 707–1120. 1865, 6*s.*

Part XXXIV. ——— Part 4. Pp. 1121–1533. 1865, 5*s.* 6*d.*

Part XXXV. ——— Part 5. Pp. 1534–2040. [With an Alphabetical Index to Parts XXXI.–XXXV.] 1866, 7*s.*

Neuropterous Insects.

Catalogue of the Specimens of Neuropterous Insects in the Collection of the British Museum. By Francis Walker. 12mo. :—

Part I. Phryganides—Perlides. Pp. iv., 192. 1852, 2*s.* 6*d.*

Part II. Sialidæ—Nemopterides. Pp. ii., 193–476. 1853, 3*s.* 6*d.*

Part III. Termitidæ—Ephemeridæ. Pp. ii., 477–585. 1853, 1*s.* 6*d.*

Catalogue of the Specimens of Neuropterous Insects in the Collection of the British Museum. By Dr. H. Hagen. Part I. Termitina. Pp. 34. 1858, 12mo. 6*d.*

Orthopterous Insects.

Catalogue of Orthopterous Insects in the Collection of the British Museum. Part I. Phasmidæ. By John Obadiah Westwood, F.L.S., &c. Pp. 195. 48 Plates. [With an Alphabetical Index.] 1859, 4to. 3*l.*

Catalogue of the Specimens of Blattariæ in the Collection of the British Museum. By Francis Walker, F.L.S., &c. Pp. 239. [With an Alphabetical Index.] 1868, 8vo. 5*s.* 6*d.*

Catalogue of the Specimens of Dermaptera Saltatoria [Part I.] and Supplement to the Blattariæ in the Collection of the British Museum. Gryllidæ. Blattariæ. Locustidæ. By Francis Walker, F.L.S., &c. Pp. 224. [With an Alphabetical Index.] 1869, 8vo. 5*s.*

Catalogue of the Specimens of Dermaptera Saltatoria in the Collection of the British Museum. By Francis Walker, F.L.S., &c.—

Part II. Locustidæ (continued). Pp. 225–423. [With an Alphabetical Index.] 1869, 8vo. 4*s.* 6*d.*

Part III. Locustidæ (continued).—Acrididæ. Pp. 425–604. [With an Alphabetical Index.] . 1870, 8vo. 4*s.*

Part IV. Acrididæ (continued). Pp. 605–809 [With an Alphabetical Index.] 1870, 8vo. 6*s.*

Part V. Tettigidæ.—Supplement to the Catalogue of Blattariæ.—Supplement to the Catalogue of Dermaptera Saltatoria (with remarks on the Geographical Distribution of Dermaptera). Pp. 811–850; 43; 116. [With Alphabetical Indexes.] 1870, 8vo. 6*s.*

Hemipterous Insects.

List of the Specimens of Hemipterous Insects in the Collection of the British Museum. By W. S. Dallas, F.L.S. Part II. Pp. 369–590. Plates 12–15. 1852, 12mo. 4*s.*

Catalogue of the Specimens of Heteropterous Hemiptera in the Collection of the British Museum. By Francis Walker, F.L.S., &c. 8vo :

Part I. Scutata. Pp. 240. 1867. 5*s.*
Part II. Scutata (continued). Pp. 241–417. 1867. 4*s.*
Part III. Pp. 418–599. [With an Alphabetical Index to Parts I., II., III., and a Summary of Geographical Distribution of the Species mentioned.] 1868. 4*s.* 6*d.*
Part IV. Pp. 211. [Alphabetical Index.] 1871. 6*s.*
Part V. Pp. 202. ——————— 1872. 5*s.*
Part VI. Pp. 210. ——————— 1873. 5*s.*
Part VII. Pp. 213. ——————— 1873. 6*s.*
Part VIII. Pp. 220. ——————— 1873. 6*s.* 6*d.*

Homopterous Insects.

List of the Specimens of Homopterous Insects in the Collection of the British Museum. By Francis Walker. Supplement. Pp. ii, 369 [With an Alphabetical Index.] 1858, 12mo. 4*s.* 6*d.*

VERMES.

Catalogue of the Species of Entozoa, or Intestinal Worms, contained in the Collection of the British Museum. By Dr. Baird. Pp. iv, 132. 2 Plates With an Index of the Animals in which the Entozoa mentioned in the Catalogue are found; and an Index of Genera and Species. 1853, 12mo. 2*s.*

ANTHOZOA.

Catalogue of Sea-pens or Pennatulariidæ in the Collection of the British Museum. By J. E. Gray, F.R.S., &c. Pp. iv., 40. 2 Woodcuts. 1870, 8vo. 1*s.* 6*d.*

Catalogue of Lithophytes or Stony Corals in the Collection of the British Museum. By J. E. Gray, F.R.S., &c. Pp. iv., 51. 14 Woodcuts. 1870, 8vo. 3*s*.

Catalogue of the Madreporarian Corals in the British Museum (Natural History). Vol. I. The Genus Madrepora. By George Brook. Pp. xi., 212. 35 Collotype Plates. [With Systematic and Alphabetical Indexes, Explanation of Plates, and a Preface by Dr. Günther.] 1893, 4to. 1*l*. 4*s*.

BRITISH ANIMALS.

Catalogue of British Birds in the Collection of the British Museum. By George Robert Gray, F.L.S., F.Z.S., &c. Pp. xii., 248. [With a List of Species.] 1863, 8vo. 3*s*. 6*d*.

Catalogue of British Hymenoptera in the Collection of the British Museum. Second edition. Part I. Andrenidæ and Apidæ. By Frederick Smith, M.E.S. New Issue. Pp. xi., 236. 11 Plates. [With Systematic and Alphabetical Indexes.] 1891, 8vo. 6*s*.

Catalogue of British Fossorial Hymenoptera, Formicidæ, and Vespidæ in the Collection of the British Museum. By Frederick Smith, V.P.E.S. Pp. 236. 6 Plates. [With an Alphabetical Index.] 1858, 12mo. 6*s*.

A Catalogue of the British Non-parasitical Worms in the Collection of the British Museum. By George Johnston, M.D., Edin., F.R.C.L. Ed., LL.D. Marischal Coll. Aberdeen, &c. Pp. 365. Woodcuts and 24 Plates. [With an Alphabetical Index.] 1865, 8vo. 7*s*.

Catalogue of the British Echinoderms in the British Museum (Natural History). By F. Jeffrey Bell, M.A. Pp. xvii., 202. Woodcuts and 16 Plates (2 coloured). [With Table of Contents, Tables of Distribution, Alphabetical Index, Description of the Plates, &c.] 1892, 8vo. 12*s*. 6*d*.

List of the Specimens of British Animals in the Collection of the British Museum; with Synonyma and References to figures. 12mo.:—

Part I. Centroniæ or Radiated Animals. By Dr. J. E. Gray. Pp. xiii., 173. 1848, 4*s*.

Part IV. Crustacea. By A. White. Pp. iv., 141. (With an Index.) 1850, 2*s*. 6*d*.

Part V. Lepidoptera. By J. F. Stephens. 2nd Edition. By H. T. Stainton and E. Shepherd. Pp. iv., 224. 1856, 1*s*. 9*d*.

Part VI. Hymenoptera. By F. Smith. Pp. 134. 1851, 2*s*.

Part VII. Mollusca, Acephala, and Brachiopoda. By Dr. J. E. Gray. Pp. iv., 167. 1851, 3*s*. 6*d*.

List of the Specimens of British Animals—*continued*.

Part VIII. Fish. By Adam White. Pp. xxiii., 164. (With Index and List of Donors.) 1851, 3*s*. 6*d*.

Part IX. Eggs of British Birds. By George Robert Gray. Pp. 143. 1852, 2*s*. 6*d*.

Part XI. Anoplura or Parasitic Insects. By H. Denny. Pp. iv., 51. 1852, 1*s*.

Part XII. Lepidoptera (continued.) By James F. Stephens. Pp. iv., 54. 1852, 9*d*.

Part XIII. Nomenclature of Hymenoptera. By Frederick Smith. Pp. iv., 74. 1853, 1*s*. 4*d*.

Part XIV. Nomenclature of Neuroptera. By Adam White. Pp. iv., 16. 1853, 6*d*.

Part XV. Nomenclature of Diptera, I. By Adam White. Pp. iv., 42. 1853, 1*s*.

Part XVI. Lepidoptera (completed). By H. T. Stainton. Pp. 199. [With an Index.] 1854, 3*s*.

Part XVII. Nomenclature of Anoplura, Euplexoptera, and Orthoptera. By Adam White. Pp. iv., 17. 1855, 6*d*.

PLANTS.

A Monograph of Lichens found in Britain: being a Descriptive Catalogue of the Species in the Herbarium of the British Museum. By the Rev. James M. Crombie, M.A., F.L.S., F.G.S., &c. Part I. Pp. viii., 519: 74 Woodcuts. [With Glossary, Synopsis, Tabular Conspectus, and Index.] 1894, 8vo. 16*s*.

A Monograph of the Mycetozoa: being a Descriptive Catalogue of the Species in the Herbarium of the British Museum. By Arthur Lister, F.L.S. Pp. 224. 78 Plates and 51 Woodcuts. [With Synopsis of Genera and List of Species, and Index.] 1894, 8vo. 15*s*.

List of British Diatomaceæ in the Collection of the British Museum. By the Rev. W. Smith, F.L.S., &c. Pp. iv., 55. 1859, 12mo. 1*s*.

FOSSILS.

Catalogue of the Fossil Mammalia in the British Museum (Natural History). By Richard Lydekker, B.A., F.G.S.:—

Part I. Containing the Orders Primates, Chiroptera, Insectivora, Carnivora, and Rodentia. Pp. xxv., 268. 33 Woodcuts. [With Systematic and Alphabetical Indexes.] 1885, 8vo. 5*s*.

Part II. Containing the Order Ungulata, Suborder Artiodactyla. Pp. xxii., 324. 39 Woodcuts. [With Systematic and Alphabetical Indexes. 1885, 8vo. 6*s*.

Part III. Containing the Order Ungulata, Suborders Perissodactyla, Toxodontia, Condylarthra, and Amblypoda. Pp.

Catalogue of the Fossil Mammalia—*continued.*

xvi., 186. 30 Woodcuts. [With Systematic Index, and Alphabetical Index of Genera and Species, including Synonyms.] 1886, 8vo. 4*s.*

Part IV. Containing the Order Ungulata, Suborder Proboscidea. Pp. xxiv., 235. 32 Woodcuts. [With Systematic Index, and Alphabetical Index of Genera and Species, including Synonyms.] 1886, 8vo. 5*s.*

Part V. Containing the Group Tillodontia, the Orders Sirenia, Cetacea, Edentata, Marsupialia, Monotremata, and Supplement. Pp. xxxv., 345. 55 Woodcuts. [With Systematic Index, and Alphabetical Index of Genera and Species, including Synonyms.] 1887, 8vo. 6*s.*

Catalogue of the Fossil Birds in the British Museum (Natural History). By Richard Lydekker, B.A. Pp. xxvii., 368. 75 Woodcuts. [With Systematic Index, and Alphabetical Index of Genera and Species, including Synonyms.] 1891, 8vo. 10*s.* 6*d.*

Catalogue of the Fossil Reptilia and Amphibia in the British Museum (Natural History). By Richard Lydekker, B.A., F.G.S.:—

Part I. Containing the Orders Ornithosauria, Crocodilia, Dinosauria, Squamata, Rhynchocephalia, and Proterosauria. Pp. xxviii., 309. 69 Woodcuts. [With Systematic Index, and Alphabetical Index of Genera and Species, including Synonyms.] 1888, 8vo. 7*s.* 6*d.*

Part II. Containing the Orders Ichthyopterygia and Sauropterygia. Pp. xxi., 307. 85 Woodcuts. [With Systematic Index, and Alphabetical Index of Genera and Species, including Synonyms.] 1889, 8vo. 7*s.* 6*d.*

Part III. Containing the Order Chelonia. Pp. xviii., 239. 53 Woodcuts. [With Systematic Index, and Alphabetical Index of Genera and Species, including Synonyms.] 1889, 8vo. 7*s.* 6*d.*

Part IV. Containing the Orders Anomodontia, Ecaudata, Caudata, and Labyrinthodontia; and Supplement. Pp. xxiii., 295. 66 Woodcuts. [With Systematic Index, Alphabetical Index of Genera and Species, including Synonyms, and Alphabetical Index of Genera and Species to the entire work.] 1890, 8vo. 7*s.* 6*d.*

Catalogue of the Fossil Fishes in the British Museum (Natural History). By Arthur Smith Woodward, F.G.S., F.Z.S.:—

Part I. Containing the Elasmobranchii. Pp. xlvii., 474. 13 Woodcuts and 17 Plates. [With Alphabetical Index, and Systematic Index of Genera and Species.] 1889, 8vo. 21*s.*

Part II. Containing the Elasmobranchii (Acanthodii), Holocephali, Ichthyodorulites, Ostracodermi, Dipnoi, and Teleostomi (Crossopterygii and Chondrostean Actinopterygii). Pp. xliv., 567. 58 Woodcuts and 16 Plates. [With Alphabetical Index, and Systematic Index of Genera and Species.] 1891, 8vo. 21*s.*

Catalogue of the Fossil Fishes—*continued.*

Part III. Containing the Actinopterygian Teleostomi of the Orders *Chondrostei* (concluded), *Protospondyli*, *Aetheospondyli*, and *Isospondyli* (in part). Pp. xlii., 544. 45 Woodcuts and 18 Plates. [With Alphabetical Index, and Systematic Index of Genera and Species.] 1895, 8vo 21*s.*

Systematic List of the Edwards Collection of British Oligocene and Eocene Mollusca in the British Museum (Natural History), with references to the type-specimens from similar horizons contained in other collections belonging to the Geological Department of the Museum. By Richard Bullen Newton, F.G.S. Pp. xxviii., 365. [With table of Families and Genera, Bibliography, Correlation-table, Appendix, and Alphabetical Index.] 1891, 8vo. 6*s.*

Catalogue of the Fossil Cephalopoda in the British Museum (Natural History). By Arthur H. Foord, F.G.S.:—

Part I. Containing part of the Suborder Nautiloidea, consisting of the families Orthoceratidæ, Endoceratidæ, Actinoceratidæ, Gomphoceratidæ, Ascoceratidæ, Poteriocerati dæ, Cyrtoceratidæ, and Supplement. Pp. xxxi., 344. 51 Woodcuts. [With Systematic Index, and Alphabetical Index of Genera and Species, including Synonyms.] 1888, 8vo. 10*s.* 6*d.*

Part II. Containing the remainder of the Suborder Nautiloidea, consisting of the families Lituitidæ, Trochoceratidæ, Nautilidæ, and Supplement. Pp. xxviii., 407. 86 Woodcuts. [With Systematic Index, and Alphabetical Index of Genera and Species, including Synonyms.] 1891, 8vo. 15*s.*

A Catalogue of British Fossil Crustacea, with their Synonyms and the Range in Time of each Genus and Order. By Henry Woodward, F.R.S. Pp. xii, 135. [With an Alphabetical Index.] 1877, 8vo. 5*s.*

Catalogue of the Blastoidea in the Geological Department of the British Museum (Natural History), with an account of the morphology and systematic position of the group, and a revision of the genera and species. By Robert Etheridge, jun., of the Department of Geology, British Museum (Natural History), and P. Herbert Carpenter, D.Sc., F.R.S., F.L.S. (of Eton College). [With Preface by Dr. H. Woodward, Table of Contents, General Index, Explanations of the Plates, &c.] Pp. xv., 322. 20 Plates. 1886, 4to. 25*s.*

Catalogue of the Fossil Sponges in the Geological Department of the British Museum (Natural History). With descriptions of new and little known species. By George Jennings Hinde, Ph.D., F.G.S. Pp. viii., 248. 38 Plates. With a Tabular List of Species, arranged in Zoological and Stratigraphical sequence, and an Alphabetical Index.] 1883, 4to. 1*l.* 10*s.*

Catalogue of the Fossil Foraminifera in the British Museum (Natural History). By Professor T. Rupert Jones, F.R.S., &c. Pp. xxiv., 100. [With Geographical and Alphabetical Indexes.] 1882, 8vo. *5s.*

Catalogue of the Palæozoic Plants in the Department of Geology and Palæontology, British Museum (Natural History). By Robert Kidston, F.G.S. Pp. viii., 288. [With a list of works quoted, and an Index.] 1886, 8vo. *5s.*

Catalogue of the Mesozoic Plants in the Department of Geology, British Museum (Natural History). The Wealden Flora. By A. C. Seward, M.A., F.G.S., University Lecturer in Botany, Cambridge.

Part I. Thallophyta—Pteridophyta. Pp. xxxviii., 179 : 17 Woodcuts and 11 Plates. [With Preface by Dr. Woodward, Alphabetical Index of Genera, Species, &c., Explanations of the Plates, &c.] 1894, 8vo. *10s.*

Part II. Gymnospermæ. Pp. viii., 259. 9 Woodcuts and 20 Plates. [With Alphabetical Index, Explanations of the Plates, &c.] 1895, 8vo. *15s.*

GUIDE-BOOKS.

(To be obtained only at the Museum.)

A General Guide to the British Museum (Natural History), Cromwell Road, London, S.W. [By W. H. Flower.] With 2 Plans, 2 views of the building, and an illustrated cover. Pp. 80. 1895, 8vo. *3d.*

Guide to the Galleries of Mammalia (Mammalian, Osteological, Cetacean) in the Department of Zoology of the British Museum (Natural History). [By A. Günther.] 5th Edition. Pp. 126. 57 Woodcuts and 2 Plans. Index. 1894, 8vo. *6d.*

Guide to the Galleries of Reptiles and Fishes in the Department of Zoology of the British Museum (Natural History). [By A. Günther.] 3rd Edition. Pp. iv., 119. 101 Woodcuts and 1 Plan. Index. 1893, 8vo. *6d.*

Guide to the Shell and Starfish Galleries (Mollusca, Echinodermata, Vermes), in the Department of Zoology of the British Museum (Natural History). [By A. Günther.] 2nd Edition. Pp. iv., 74. 51 Woodcuts and 1 Plan. 1888, 8vo. *4d.*

A Guide to the Exhibition Galleries of the Department of Geology and Palæontology in the British Museum (Natural History), Cromwell Road, London, S.W. [New Edition. By Henry Woodward.]—

Part I. Fossil Mammals and Birds. Pp. xii., 103. 119 Woodcuts and 1 Plan. 1890, 8vo. *6d.*

Part II. Fossil Reptiles, Fishes, and Invertebrates. Pp. xii., 109. 94 Woodcuts and 1 Plan. 1890, 8vo. *6d.*

Guide to the Collection of Fossil Fishes in the Department of Geology and Palæontology, British Museum (Natural History), Cromwell Road, South Kensington. [By Henry Woodward.] 2nd Edition. Pp. 51. 81 Woodcuts. Index. 1888 8vo. 4*d*.

Guide to Sowerby's Models of British Fungi in the Department of Botany, British Museum (Natural History). By Worthington G. Smith, F.L.S. Pp. 82. 93 Woodcuts. With Table of Diagnostic Characters and Index. 1893, 8vo. 4*d*.

Guide to the British Mycetozoa exhibited in the Department of Botany, British Museum (Natural History). By Arthur Lister, F.L.S. Pp. 42. 44 Woodcuts. Index. 1895, 8vo. 3*d*.

A Guide to the Mineral Gallery of the British Museum (Natural History). [By L. Fletcher.] Pp 32. Plan. 1895, 8vo. 1*d*.

An Introduction to the Study of Minerals, with a Guide to the Mineral Gallery of the British Museum (Natural History), Cromwell Road, S.W. By L. Fletcher. Pp. 120. With numerous Diagrams, a Plan of the Mineral Gallery, and an Index. 1895, 8vo. 6*d*.

The Student's Index to the Collection of Minerals, British Museum (Natural History). [New Edition.] Pp. 33. With a Plan of the Mineral Gallery. 1895, 8vo. 2*d*.

An Introduction to the Study of Meteorites, with a List of the Meteorites represented in the Collection. [By L. Fletcher.] Pp. 94. [With a Plan of the Mineral Gallery, and an Index to the Meteorites represented in the Collection.] 1894, 8vo. 6*d*.

An Introduction to the Study of Rocks. [By L. Fletcher.] Pp. 118. With plan of the Mineral Gallery, table of Contents, and Index. 1895, 8vo. 6*d*.

W. H. FLOWER,
Director.

British Museum
(Natural History),
Cromwell Road,
London, S.W.

December 1st, 1895.

Stanford University Libraries
3 6105 003 100 802

British museum
Catalogue of birds, v.24
29886
FALCONER BIOL. LTD.
DATE
DATE
DATE
29818
FALCONER BIOL. LTD.
LIBRARY OF THE
LOGY